UC-NRLF
$C 34 529

AUG 25 1905

Students Observatory

REESE LIBRARY

OF THE

UNIVERSITY OF CALIFORNIA.

Class

QB 815
.S3
Astron. Dept.

I.

Catalogue of the Magnitudes of Southern Stars from 0° to −30° Declination, to the Magnitude 7.0 inclusive.

By EDWIN F. SAWYER.

REESE LIBRARY OF THE UNIVERSITY OF CALIFORNIA

Presented May 11, 1892.

INTRODUCTION.

The present work comprises a determination of the magnitudes of all stars as bright as the magnitude 7.0 in the belt from the equator to south declination 30°, together with some a few degrees outside of these limits. The work was undertaken in the beginning of 1882, and was substantially finished in 1887, although for the purpose of completeness many additional observations were made in 1888, and a few in 1889 and 1890. The total number of observations included is 13,654, and the number of stars in the Catalogue is 3,415, the average number of observations to each star being 4.0.

The general plan has been to observe every star three times. A reference to the Catalogue and the notes will show that there is only a small proportion where at least this number of observations has not been secured, while, on the contrary, more than half of the stars have been observed four times or more.

I was incited to undertake the work by a strong impression of the value attending a review of the ground gone over by Dr. Gould in the *Uranometria Argentina* early in the previous decade; at least so much of it as could be covered in this latitude. In its inception I had in mind to occupy a somewhat wider belt than that here included, and had, indeed, begun the series with observations extended to the northern boundary of the *Uranometria Argentina*, +10°. Afterwards it was deemed best to restrict myself to the region below the equator, in order to bring the undertaking more conveniently within the time at my disposal for the completion of the scheme within a reasonable period. The magnitudes here derived are founded upon the system of the *Uranometria Argentina;* and in fact

135878

the present Catalogue may be regarded as an independent revision of Dr. GOULD's work, within the described limits. With the exception of the stars *α Canis Majoris*, *α Scorpii*, and 102–3 (U. A.) *Orionis*, which were considered too difficult to obtain trustworthy observations of, it is believed that every star has been observed within the limits named, to the magnitude 7.0 inclusive. Many stars, generally fainter companions, whose positions are given in the U. A. Catalogue, but not there numbered, have also been included in the general work, although no attempt has been made to include all such cases, as these will receive attention in a later work. The observations were almost wholly discontinued during the years 1883 and 1885, owing to injury to the eyes from the trying nature of the work.

METHOD OF OBSERVATION.

The first step was to enter upon the charts of the *Uranometria Argentina* the numbers of the U. A. Catalogue. The stars were then observed in sequences, by ARGELANDER's method of step-estimations; each sequence comprising adjacent stars within a moderate range of magnitude. Each sequence comprised about ten stars; sometimes, in case of isolated groups, only five or six; and occasionally, where there were many stars in the vicinity, more than twenty. The brightest star in the region was first selected, then the next brighter, and so on down, other stars being afterwards inserted in their appropriate places.

The various differences of brightness were estimated in steps. When all stars in the neighborhood which could be conveniently observed had been included, a new sequence was begun, and so on. In those parts of the sequence near the limit of $7^M.0$, after all the U. A. stars had been included, any stars in the sky which were as bright as the fainter stars of the sequence were inserted in their proper places. During the first year's observations, in which nearly half of the whole work was done, an opera-glass was exclusively used. Afterwards a field-glass was employed for the fainter sequences, i. e. those involving the stars of 6^M or fainter. But no change of instrument was made during any sequence; that is, if a sequence was begun at about 5^M with the opera-glass, this glass was used to the lower limit of the sequence, even if it extended to below 6^M. The observations were consistently made with the instrument placed slightly out of focus, expanding the stars into disks of light; this method, after repeated trials, appearing to give the most trustworthy results, especially for colored stars. The observations were generally made during evenings free from moonlight, clouds, and haze, and between 6^h and 12^h mean time.

Method of Reduction.

The reduction of the sequences was performed graphically by plotting each sequence on squared paper, the U. A. magnitudes being used as ordinates, and the observed differences of brightness, expressed in steps, as abscissas. Thus, in the sequence $a\,2\,b\,3\,c\,1\,d\,2\,e\,3\,f$, the several stars would be indicated in the plotting by dots with the abscissas $a = 0$, $b = 2$, $c = 5$, $d = 6$, $e = 8$, and $f = 11$, and ordinates corresponding to the U. A. magnitudes for the several stars. The middle points between these dots, taken two and two, were then carefully inserted by measurement, and a straight line drawn so as to represent as well as possible all these points of bisection. The value of the ordinate, to the nearest half-tenth, was then read off, corresponding to the abscissa for each star. The magnitudes so deduced were then entered against the several stars in the record-book, and are the same as appear in the present Catalogue. The process thus described was uniformly pursued in the reduction of the sequences. There were, however, many observations made not in the form of regular sequences, consisting of comparisons of particular stars with several neighbors. Most of these observations were made in the final revision, in the case of insufficiently observed stars, or where large discordances gave rise to suspicion of variability. The magnitudes deduced in such cases were found simply by taking the means of the results of the separate comparisons.

Formation of the Catalogue.

The results of the observations were now collected to form the Catalogue. The stars were copied from the record-book upon cards. Each card contained the U. A. number of the star, its position and magnitude, and my separate observations. It was during this process that the stars which had been insufficiently observed were detected.

The cards were then arranged according to right ascension, and the results copied in the Catalogue. Those stars not contained in the U. A. Catalogue, although as bright as 7^{M}, were inserted in their proper places.

In the first column of the Catalogue is the current number of the star.

The second contains the U. A. Catalogue number.

The third contains the constellation.

In the fourth and fifth columns are the right ascensions and declinations for

the mean equinox of 1875.0, given, respectively, to the nearest tenth of a minute of time and the nearest minute of arc.

The sixth contains the number of observations.

The seventh contains the mean determined magnitude.

The eighth contains the U. A. magnitude.

The remaining columns contain the dates of the separate observations (month, day, and year), and the magnitudes.

Where there were more than three observations (6th column), the additional observations are given in the notes following the Catalogue.

Variable Stars.

During the progress of the work eight variable stars have been discovered, including two of the *Algol* type, namely: *U Ophiuchi* in 1881, *U Ceti* in 1885, *U Aquilæ* and *Y Sagittarii* in 1886, *R Canis Majoris* in 1887, *Y Ophiuchi* and *W Hydræ* in 1888, and (?) *Leporis* in 1891.

In addition, there are many cases of large discordance, notably numbers 53, 138, 384, 409, 415, 512, 514, 525, 543, 606, 609, 610, 611, 716, 757, 855, 944, 1107, 1229, 1234, 1253, 1357, 1449, 1513, 1562, 1646, 1890, 1931, 2002, 2078, 2219, 2231, 2285, 2499, 2506, 2542, 2580, 2582, 2610, 2632, 2641, 2668, 2670, 2781, 2822, 2880, 2931, 2932, 3023, 3077, 3368. I think it probable that variability will be found in some of these cases. These stars are worthy of special attention, but other work has prevented my systematically observing them.

There are yet other suspicious cases, mentioned in the notes accompanying the Catalogue.

Summary of Results.

The total number of stars contained in the Catalogue is 3,415, as already stated. Of these 3,347 are contained in Dr. Gould's Catalogue, the remaining 68 being those which were added on account of their being at least equal to 7^{M}. The number of stars in the present Catalogue, outside of the prescribed limit of the general plan, is 282, of which 206 lie north of the equator, and 76 south of $-30°$ declination.

Table I. gives the distribution of the stars and the observations according to right ascension.

TABLE I.

Hour R. A.	No. of Stars.	No. of Observations.	Average No. of Observations.
0	171	613	3.6
1	158	628	4.0
2	163	668	4.1
3	143	606	4.2
4	129	528	4.1
5	181	736	4.1
6	195	750	3.9
7	169	663	4.0
8	143	524	3.7
9	135	562	4.2
10	132	485	3.7
11	113	402	3.6
12	120	442	3.7
13	111	431	3.8
14	120	493	4.1
15	113	484	4.3
16	116	496	4.2
17	125	517	4.1
18	161	690	4.3
19	142	566	4.0
20	163	663	4.0
21	148	602	4.1
22	135	547	4.0
23	129	558	4.3
	3,415	13,654	4.0

Table II. gives a classification of the stars according to the number of observations indicated in the first column.

TABLE II.

No. Observations.	No. Stars.
0	3
1	4
2	282
3	1221
4	1048
5	491
6	194
7	80
8	56
9	28
10 or more.	28

Table III. gives an analysis of the deviations (Gould — Sawyer) of the magnitudes of the two Catalogues, arranged according to the size of these differences, indicated in the first column. The last four columns give the number of stars according to the groupings indicated by the headings.

TABLE III.

Deviation.	Positive Deviation (G. — S.).		Negative Deviation (G. — S.).	
	$0^h - 12^h$	$12^h - 24^h$	$0^h - 12^h$	$12^h - 24^h$
0.00	400	343	—	—
0.05	256	233	251	204
0.10	233	189	231	192
0.15	81	81	87	96
0.20	49	57	75	55
0.25	27	13	35	23
0.30	9	11	15	24
0.35	1	3	10	5
0.40	3	1	4	5
0.45	0	0	5	1
0.50	0	0	3	0
0.55	1	1	3	0
0.60	0	0	0	1
	1060	932	719	606

By means of this table we find that the average difference between the magnitudes assigned by this Catalogue and that of Dr. GOULD, is $\pm 0^M.088$. Assuming the magnitudes of the two catalogues to have an equal degree of precision, we have $\pm 0^M.059$ as the value of the average error of a single determination of magnitude in each Catalogue. This of course includes, besides the accidental error, the effect of systematic difference.

CATALOGUE.

No.	U. A. No.	Name.	1875. R. A. h.	m.	Decl. °	′	No. Obs.	Mag. Mean Obs'd.	Mag. U.A.	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
1	9	*Ceti*	0	0.4	−23	48	3	6.2	6.3	11 9 84	6.2	10 22 86	6.2	10 19 87	6.2
2	10	"		0.9	18	5	6	6.2	6.3	12 29 82	6.35	10 21 86	6.1	11 18 86	6.5
3	49	*Sculptoris*		1.0	26	3	3	6.9	6.9	9 26 84	6.9	10 22 86	7.0	12 2 88	6.8
4	65	*Piscium*		1.3	3	15	4	6.5	6.5	1 9 82	6.5	12 29 82	6.55	10 13 84	6.6
5	11	*Ceti*		1.4	23	12	3	6.0	5.9	11 9 84	6.0	10 22 86	5.95	11 7 88	6.05
6	66	*Piscium*		1.8	3	9	4	6.5	6.4	1 9 82	6.4	12 29 82	6.4	10 13 84	6.6
7	12	*Ceti*		1.9	9	31	4	6.3	6.2	12 29 82	6.2	10 23 86	6.4	11 28 86	6.35
8	13	"		2.2	18	16	4	6.45	6.2	12 29 82	6.35	10 21 86	6.4	10 19 87	6.5
9	51	*Sculptoris*		3.0	28	41	4	5.4	5.5	9 26 84	5.3	10 21 86	5.4	10 19 87	5.4
10	67	*Piscium*		3.9	5	57	4	6.1	6.1	10 13 84	6.2	10 21 86	6.0	10 19 87	6.05
11	14	*Ceti*		4.3	13	16	4	6.0	5.9	1 3 83	6.0	10 23 86	6.0	11 7 88	6.0
12	..	*Piscium*		4.8	4	1	4	6.9	..	12 29 82	6.8	10 18 84	6.9	10 22 86	6.9
13	15	*Ceti*		4.9	16	9	6	4.85	5.1	12 29 82	5.0	10 21 86	5.0	11 18 86	4.75
14	16	"		5.2	19	18	3	7.0	7.0	12 29 82	7.0	10 22 86	6.95	10 23 86	7.0
15	52	*Sculptoris*		5.2	28	30	3	5.6	5.4	9 26 84	5.55	10 21 86	5.6	12 2 88	5.7
16	17	*Ceti*		5.7	14	30	4	6.8	6.8	1 3 83	6.7	10 23 86	6.9	10 19 87	6.75
17	18	"		5.8	18	38	2	5.5	5.4	12 29 82	5.5	10 21 86	5.5	.. .. ..	...
18	19	"		6.7	23	10	2	7.0	6.9	11 9 84	7.0	10 22 86	7.0	.. .. ..	...
19	20	"		7.4	23	55	2	7.0	7.0	11 9 84	7.0	10 22 86	7.0	.. .. ..	...
20	55	*Sculptoris*		7.4	26	43	3	6.2	6.0	9 26 84	6.2	10 22 86	6.1	10 19 87	6.25
21	56	"		7.4	26	59	4	6.25	6.3	9 26 84	6.3	10 22 86	6.2	10 19 87	6.2
22	69	*Piscium*		7.4	+ 0	41	3	6.9	7.0	1 9 82	6.95	11 27 86	6.9	10 19 87	6.9
23	68	"		8.0	− 2	54	9	7.25	7.0	1 9 82	7.1	12 29 82	7.2	10 18 84	7.1
24	21	*Ceti*		8.0	21	53	4	6.95	7.0	11 9 84	6.9	10 22 86	6.95	10 23 86	7.0
25	22	"		8.1	8	29	4	5.5	5.4	12 29 82	5.5	10 21 86	5.4	10 23 86	5.5
26	23	"		8.1	15	7	9	7.0	7.0	1 3 83	7.3	10 23 86	6.9	11 15 86	7.1
27	..	*Piscium*		8.2	+ 0	36	3	6.9	7.1	1 9 82	6.95	11 27 86	6.9	10 19 87	6.9
28	24	*Ceti*		8.3	−15	30	3	6.8	6.8	1 3 83	6.7	10 23 86	6.9	11 9 87	6.85
29	25	"		8.3	19	38	8	4.65	4.3	12 29 82	4.1	10 21 86	4.6	11 15 86	4.9
30	26	"		8.5	14	52	3	6.9	6.9	1 3 83	6.9	10 23 86	6.9	10 19 87	6.9
31	27	"		8.5	10	16	5	5.7	5.9	12 29 82	5.9	10 23 86	5.7	10 19 87	5.7
32	..	"		8.5	3	43	4	6.9	..	12 29 82	6.8	10 18 84	6.9	10 22 86	6.9
33	70	*Piscium*		8.5	+ 8	8	4	5.9	5.8	1 7 82	5.7	1 9 82	5.9	11 27 86	6.0
34	71	"		9.2	5	9	3	7.0	7.0	1 9 82	7.05	11 27 86	7.0	12 6 88	7.0
35	72	"		9.5	3	33	4	6.85	6.8	11 27 86	6.9	12 21 86	6.75	11 12 87	6.85
36	58	*Sculptoris*		9.8	−32	8	2	6.0	5.9	11 9 84	6.0	10 22 86	6.0	.. .. ..	...
37	73	*Piscium*		10.2	+ 7	33	3	6.25	6.3	1 9 82	6.25	11 27 86	6.2	12 6 88	6.35
38	74	"		10.3	1	9	5	7.1	7.0	1 9 82	7.2	11 27 86	7.0	12 21 86	7.2
39	28	*Ceti*		10.4	−20	54	4	6.6	6.5	11 9 84	6.6	10 22 86	6.5	10 23 86	6.65
40	75	*Piscium*		11.0	+ 8	11	4	6.9	6.9	1 9 82	6.8	11 27 86	6.95	11 17 87	7.0
41	29	*Ceti*		11.2	−19	45	4	6.7	6.6	12 29 82	6.6	10 22 86	6.8	10 23 86	6.7
42	76	*Piscium*		11.4	+ 1	0	3	6.45	6.4	1 9 82	6.45	11 27 86	6.4	11 7 88	6.5
43	..	"		11.4	− 2	34	5	7.05	7.1	1 9 82	7.0	12 29 82	7.05	10 18 84	7.0
44	30	*Ceti*	0	11.5	14	9	4	6.6	6.7	1 3 83	6.6	10 23 86	6.5	11 9 87	6.6

No.	U. A. No.	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U. A.	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. m.	° ′									
45	77	*Piscium*	0 11.7	+ 3 6	3	6.9	6.9	1 9 82	6.8	11 27 86	6.9	12 6 88	6.95
46	..	*Piscium*	11.9	− 2 43	4	7.15	7.2	1 9 82	7.1	12 29 82	7.2	10 18 84	7.2
47	31	*Ceti*	12.0	21 50	3	6.6	6.6	11 9 84	6.6	10 22 86	6.5	10 23 86	6.65
48	32	"	12.2	8 45	3	6.65	6.8	12 29 82	6.6	10 23 86	6.75	11 9 87	6.65
49	33	"	13.1	9 31	5	3.5	3.5	11 9 84	3.45	11 11 84	3.3	10 21 86	3.5
50	34	"	13.2	7 55	3	6.95	6.8	12 29 82	7.0	10 23 86	6.85	11 9 87	7.0
51	78	*Piscium*	13.5	3 11	4	6.95	7.0	1 9 82	7.0	12 29 82	6.9	10 18 84	7.0
52	79	"	13.7	+ 5 36	3	6.95	7.0	1 9 82	6.9	11 27 86	6.95	12 6 88	6.95
53	80	"	13.8	2 20	5	7.35	7.0	1 9 82	7.0	11 27 86	7.4	12 25 86	7.5
54	81	"	14.2	7 30	4	5.55	5.3	1 7 82	5.3	11 27 86	5.55	11 17 87	5.7
55	35	*Ceti*	14.5	−24 19	3	6.75	7.0	11 9 84	6.8	10 22 86	6.7	11 7 88	6.7
56	82	*Piscium*	14.7	3 36	4	6.9	7.0	1 9 82	6.9	12 29 82	6.8	10 18 84	7.0
57	62	*Sculptoris*	15.2	29 40	4	5.3	5.3	11 9 84	5.4	10 22 86	5.25	11 9 87	5.4
58	36	*Ceti*	15.4	20 45	.	var.	6.5	11 9 84	7.0	.. .. ..	....	.. .. ..	...
59	83	*Piscium*	15.9	+ 5 53	1	...	6.7	1 9 82	6.8	.. .. ..	...	.. .. ..	...
60	37	*Ceti*	16.5	−12 54	3	6.35	6.4	1 3 83	6.3	10 23 86	6.4	11 7 88	6.4
61	38	"	16.7	16 38	3	6.9	7.0	11 9 84	6.8	10 22 86	7.0	11 9 87	6.9
62	65	*Sculptoris*	17.0	31 44	3	6.5	6.6	11 9 84	6.4	10 22 86	6.6	11 9 87	6.5
63	66	"	17.1	30 32	3	6.85	6.8	11 9 84	6.9	10 22 86	6.85	12 2 88	6.85
64	84	*Piscium*	18.1	2 55	4	6.45	6.4	1 9 82	6.55	12 29 82	6.4	10 18 84	6.3
65	85	"	19.0	+ 1 15	4	5.8	5.9	1 9 82	5.7	11 27 86	5.9	11 17 87	5.9
66	86	"	19.3	7 0	4	6.9	6.9	1 9 82	6.8	11 27 86	6.95	11 17 87	6.9
67	68	*Sculptoris*	19.5	−28 24	3	6.85	6.8	11 9 84	6.9	10 22 86	6.85	12 2 88	6.85
68	87	*Piscium*	19.9	+ 3 8	4	6.6	6.8	1 9 82	6.7	11 27 86	6.6	11 17 87	6.5
69	39	*Ceti*	20.1	−19 23	3	6.75	6.7	11 9 84	6.7	10 22 86	6.8	10 23 86	6.7
70	40	"	20.2	0 45	3	6.35	6.2	1 9 82	6.3	10 25 86	6.4	11 27 86	6.4
71	41	"	20.7	5 42	3	7.0	7.0	11 11 84	7.0	10 25 86	7.1	11 9 87	6.95
72	69	*Sculptoris*	21.0	26 14	3	6.3	6.5	11 8 84	6.3	10 22 86	6.35	1 19 89	6.2
73	70	"	21.1	28 56	4	6.8	6.8	11 9 84	6.7	10 22 86	6.85	11 9 87	6.85
74	42	*Ceti*	21.3	20 50	3	6.75	6.8	11 9 84	6.7	10 22 86	6.8	10 23 86	6.7
75	72	*Sculptoris*	22.0	29 44	3	6.7	6.7	11 9 84	6.7	10 22 86	6.6	12 2 88	6.85
76	43	*Ceti*	22.1	21 1	3	6.65	6.4	11 9 84	6.6	10 22 86	6.7	10 23 86	6.6
77	44	"	22.2	11 56	4	7.0	7.0	11 9 84	7.0	10 23 86	7.15	11 9 87	6.95
78	73	*Sculptoris*	22.2	29 59	3	6.85	6.9	11 9 84	6.9	10 22 86	6.85	12 2 88	6.85
79	45	*Ceti*	23.1	4 10	5	6.9	7.0	1 9 82	6.8	10 25 86	6.85	11 12 87	6.9
80	46	"	23.3	3 32	3	6.9	6.9	1 9 82	6.9	10 25 86	6.85	11 12 87	6.9
81	47	"	23.5	15 33	3	6.15	6.2	11 9 84	6.2	10 22 86	6.15	12 4 88	6.15
82	48	"	23.7	4 39	3	6.05	6.0	1 11 82	6.1	11 11 84	6.1	10 25 86	6.0
83	89	*Piscium*	23.7	+ 4 10	2	6.6	6.5	1 9 82	6.6	12 21 86	6.6	.. .. ..	...
84	49	*Ceti*	24.1	−24 29	3	5.25	5.2	11 8 84	5.2	10 22 86	5.3	12 4 88	5.3
85	50	"	24.7	10 47	4	6.7	6.8	11 9 84	6.8	10 23 86	6.6	11 9 87	6.65
86	51	"	25.3	2 29	3	6.85	6.8	1 9 82	6.85	10 25 86	6.85	11 12 87	6.85
87	90	*Piscium*	26.0	+ 6 16	6	5.4	5.8	1 7 82	5.5	1 11 82	5.4	12 19 86	5.4
88	75	*Sculptoris*	26.4	−26 3	3	6.85	6.9	11 8 84	6.8	10 12 86	6.9	12 2 88	6.85
89	..	*Ceti*	27.2	1 20	4	7.0	..	11 12 87	7.0	11 17 87	7.0	12 23 89	7.0
90	77	*Sculptoris*	27.5	30 15	4	5.8	5.8	11 9 84	5.6	10 22 86	5.8	11 9 87	5.9
91	52	*Ceti*	28.1	5 14	4	6.85	6.8	1 11 82	6.9	11 11 84	6.7	10 25 86	6.9
92	53	"	28.1	7 11	2	6.7	6.8	11 11 84	6.7	10 25 86	6.7	.. .. ..	...
93	54	"	28.8	4 17	3	5.6	5.7	1 11 82	5.6	11 11 84	5.6	10 25 86	5.65
94	55	"	29.1	1 12	5	5.95	6.0	1 9 82	6.0	10 25 86	5.85	11 27 86	6.1
95	56	"	29.6	6 15	3	6.65	6.7	11 11 84	6.6	10 25 86	6.7	11 7 88	6.6
96	57	"	29.8	15 40	2	6.6	6.7	11 9 84	6.6	10 22 86	6.6	.. .. ..	...
97	58	"	0 29.9	23 32	3	6.15	6.1	11 8 84	6.1	10 22 86	6.2	12 4 88	6.15

No.	U. A. No.	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U. A.	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. *m.*	° ′									
98	59	*Ceti*	0 30.9	−25 27	4	5.8	5.8	11 8 84	5.7	10 22 86	5.7	12 4 88	5.9
99	92	*Piscium*	31.1	+ 2 27	3	6.85	6.8	1 11 82	6.8	11 27 86	6.75	12 6 88	6.95
100	60	*Ceti*	31.7	− 1 11	4	6.8	6.8	1 9 82	6.8	10 25 86	6.85	11 12 87	6.9
101	61	"	32.3	20 59	9	6.7	7.0	1 10 85	7.1	10 22 86	6.6	11 18 86	6.7
102	80	*Sculptoris*	32.4	30 7	3	6.65	6.6	11 9 84	6.7	10 22 86	6.6	12 22 88	6.6
103	81	"	32.6	25 48	3	6.65	6.5	11 8 84	6.7	10 22 86	6.6	12 4 88	6.7
104	62	*Ceti*	33.4	11 50	3	6.85	6.9	12 29 82	6.8	10 23 86	6.9	11 27 86	6.85
105	63	"	34.2	17 12	2	6.8	6.7	11 9 84	6.8	10 22 86	6.8	.. .. ..	...
106	64	"	34.2	24 29	3	6.35	6.3	11 8 84	6.4	10 22 86	6.35	12 4 88	6.35
107	65	"	34.3	5 2	3	6.05	6.0	1 11 82	6.1	11 11 84	5.9	10 25 86	6.1
108	..	"	34.5	7 54	5	6.8	..	11 11 84	6.7	10 25 86	6.9	11 12 87	6.95
109	82	*Sculptoris*	35.4	25 53	2	6.7	6.8	11 8 84	6.7	10 22 86	6.7	.. .. ..	...
110	66	*Ceti*	35.9	12 29	3	6.85	7.0	12 29 82	6.8	10 23 86	6.9	11 27 86	6.9
111	67	"	36.6	10 36	3	6.7	6.6	12 29 82	6.7	10 23 86	6.7	11 27 86	6.7
112	68	"	36.7	4 33	3	7.1	7.0	1 11 82	7.1	11 11 84	7.1	11 12 87	7.15
113	69	"	37.0	7 1	6	7.35	7.0	11 11 84	7.3	10 25 86	7.4	11 18 86	7.35
114	70	"	37.3	18 40	4	2.35	2.3	11 18 86	2.45	11 22 86	2.4	11 24 86	2.35
115	71	"	37.6	12 41	3	6.3	6.2	12 29 82	6.3	10 23 86	6.4	11 27 86	6.25
116	72	"	37.9	11 17	3	5.05	5.1	12 29 82	5.05	10 23 86	5.0	11 27 86	5.1
117	73	"	38.6	22 42	4	5.3	5.3	1 3 83	5.3	11 8 84	5.3	10 22 86	5.4
118	74	"	39.0	5 19	3	6.45	6.6	1 11 82	6.5	11 11 84	6.5	10 25 86	6.4
119	75	"	39.2	13 33	5	6.3	6.3	12 29 82	6.3	10 23 86	6.4	11 27 86	6.15
120	76	"	39.5	17 6	2	6.6	6.6	11 9 84	6.6	10 22 86	6.6	.. .. ..	...
121	77	"	40.0	23 12	4	5.75	5.8	1 3 83	5.6	11 8 84	5.8	10 22 86	5.8
122	85	*Sculptoris*	40.5	30 53	3	6.6	6.5	11 9 84	6.6	10 22 86	6.55	12 22 88	6.65
123	94	*Piscium*	40.9	+ 6 4	4	6.05	6.2	1 7 82	6.0	12 21 86	6.1	12 6 88	6.2
124	78	*Ceti*	41.5	−18 45	3	6.25	6.1	11 9 84	6.3	10 22 86	6.2	12 4 88	6.2
125	86	*Sculptoris*	41.6	32 2	3	6.7	6.8	11 9 84	6.6	10 22 86	6.8	11 9 87	6.7
126	79	*Ceti*	41.8	22 24	5	5.65	5.8	1 3 83	5.8	11 8 84	5.6	10 22 86	5.6
127	96	*Piscium*	41.8	+ 4 39	4	5.85	5.9	1 7 82	5.8	12 19 86	5.85	12 21 86	5.85
128	95	"	41.8	6 37	3	6.25	6.0	1 7 82	6.25	12 21 86	6.25	12 6 88	6.2
129	97	"	42.2	6 54	3	4.6	4.4	1 9 82	4.6	1 11 82	4.6	12 21 86	4.6
130	87	*Sculptoris*	42.6	−29 11	4	6.6	6.5	11 9 84	6.6	10 22 86	6.55	12 4 88	6.7
131	80	*Ceti*	43.1	24 49	4	6.15	6.1	1 3 83	6.1	11 8 84	6.2	10 22 86	6.1
132	81	"	43.2	14 14	4	6.0	5.9	12 29 82	6.05	10 23 86	6.0	11 27 86	5.95
133	..	"	43.2	23 54	3	7.15	7.1	1 3 83	7.1	11 8 84	7.1	10 22 86	7.2
134	82	"	43.4	24 3	7	6.35	6.5	1 3 83	6.4	11 8 84	6.4	10 23 86	6.1
135	83	"	43.5	0 54	3	7.0	7.0	1 11 82	7.0	10 25 86	6.9	12 4 88	7.05
136	84	"	43.9	11 19	3	5.45	5.5	12 29 82	5.5	10 23 86	5.4	11 27 86	5.4
137	85	"	44.8	5 43	4	6.9	7.0	1 11 82	6.9	11 11 84	6.8	10 25 86	7.0
138	98	*Piscium*	44.9	+ 2 43	8	6.5	6.7	1 11 82	6.7	12 21 86	6.35	12 25 86	6.25
139	86	*Ceti*	45.0	−10 5	2	6.8	6.9	11 11 84	6.8	10 23 86	6.8	.. .. ..	..
140	87	"	45.2	3 49	2	7.0	7.0	1 11 82	7.0	10 25 86	7.0	.. .. ..	..
141	88	"	46.5	24 41	4	5.9	5.7	1 3 83	5.8	11 8 84	5.9	10 22 86	5.8
142	89	"	46.6	1 49	4	5.2	5.2	1 11 82	5.0	11 27 86	5.2	2 13 88	5.3
143	89	*Sculptoris*	46.9	31 2	3	6.75	6.8	11 9 84	6.7	10 22 86	6.8	12 22 88	6.75
144	90	*Ceti*	47.1	25 27	4	6.65	6.6	1 3 83	6.8	11 8 84	6.6	10 22 86	6.65
145	91	"	47.3	5 12	3	6.65	6.5	1 11 82	6.7	11 11 84	6.7	10 25 86	6.6
146	92	"	48.0	9 25	2	6.3	6.2	11 11 84	6.3	10 23 86	6.3	.. .. ..	..
147	93	"	49.4	8 1	2	6.1	6.0	11 11 84	6.1	10 23 86	6.1	.. .. ..	..
148	94	"	49.8	11 57	3	5.7	5.7	12 29 82	5.65	10 23 86	5.8	11 27 86	5.7
149	90	*Sculptoris*	49.9	28 27	3	6.3	6.3	11 9 84	6.3	10 22 86	6.3	12 22 88	6.3
150	95	*Ceti*	0 50.4	3 24	3	6.9	6.9	1 11 82	6.9	10 25 86	7.0	12 4 88	6.8

No.	U.A. No.	Name.	1875. R.A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U.A	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. m.	° ′									
151	..	*Sculptoris*	0 50.7	−26 2	2	6.8	..	11 9 84	6.8	10 22 86	6.8	.. .. ..	..
152	96	*Ceti*	51.5	2 27	3	6.75	6.8	1 11 82	6.75	10 25 86	6.7	12 4 88	6.85
153	97	"	51.5	19 41	3	7.05	7.0	11 9 84	7.0	10 22 86	7.1	11 12 87	7.1
154	..	"	51.9	16 22	3	7.0	7.0	11 9 84	7.0	10 23 86	6.9	12 2 88	7.05
155	99	*Piscium*	51.9	+ 6 10	3	6.7	6.8	1 7 82	6.7	12 19 86	6.7	12 21 86	6.7
156	91	*Sculptoris*	52.1	−26 33	2	7.0	7.0	11 9 84	7.0	10 22 86	7.0	.. .. ..	..
157	98	*Ceti*	52.4	6 33	3	6.7	6.6	11 11 84	6.7	10 23 86	6.6	12 4 88	6.75
158	99	"	52.5	12 3	4	5.95	5.9	12 29 82	6.05	10 23 86	6.0	11 27 86	5.9
159	92	*Sculptoris*	52.6	30 2	3	4.25	4.2	10 23 86	4.3	12 20 86	4.3	12 22 88	4.1
160	100	*Piscium*	53.4	+ 5 49	3	6.4	6.2	1 7 82	6.4	12 19 86	6.4	12 21 86	6.45
161	100	*Ceti*	54.3	− 2 20	4	7.05	7.0	1 11 82	7.1	10 25 86	7.0	11 17 87	7.1
162	101	"	55.4	16 56	5	6.6	6.8	11 9 84	6.5	10 23 86	6.7	11 18 86	6.5
163	103	*Piscium*	56.5	+ 7 13	3	4.45	4.2	12 19 86	4.45	12 21 86	4.45	12 6 88	4.4
164	102	*Ceti*	56.7	− 5 30	3	5.8	5.8	1 11 82	5.85	11 9 84	5.8	10 23 86	5.7
165	97	*Sculptoris*	57.3	30 12	4	6.4	6.5	11 9 84	6.5	10 22 86	6.3	11 9 87	6.4
166	104	*Piscium*	57.3	+ 6 6	3	6.8	7.0	1 7 82	6.9	12 19 86	6.7	12 21 86	6.8
167	103	*Ceti*	57.4	0 42	4	5.85	5.9	1 7 82	5.9	11 24 86	5.9	11 26 86	5.8
168	105	*Piscium*	58.4	4 59	3	6.35	5.9	1 7 82	6.4	12 19 86	6.3	12 21 86	6.3
169	104	*Ceti*	59.4	−10 39	5	6.3	6.5	11 11 84	6.2	10 23 86	6.5	11 28 86	6.25
170	106	*Piscium*	59.4	+ 4 15	3	6.15	5.9	1 7 82	6.25	12 19 86	6.1	12 21 86	6.1
171	105	*Ceti*	0 59.8	−10 31	3	5.7	5.7	11 11 84	5.6	10 23 86	5.7	12 4 88	5.75
172	106	"	1 0.1	24 40	2	6.4	6.3	11 14 84	6.4	10 22 86	6.4	.. .. ..	..
173	107	*Piscium*	0.4	+ 7 59	6	6.8	6.9	1 27 82	6.6	12 21 86	6.9	12 25 86	6.65
174	107	*Ceti*	0.8	− 2 24	3	6.95	7.0	1 11 82	7.0	1 30 82	6.9	11 18 86	7.0
175	108	"	1.2	24 40	3	6.35	6.4	11 14 84	6.3	10 22 86	6.4	12 22 88	6.4
176	109	"	1.5	10 27	3	5.95	5.8	11 11 84	5.9	10 23 86	6.0	12 22 88	6.0
177	110	"	1.6	+ 1 21	7	6.5	6.3	1 7 82	6.2	11 24 86	6.6	11 26 86	6.7
178	108	*Piscium*	1.8	9 14	4	6.9	7.0	1 27 82	6.7	12 21 86	6.95	11 17 87	6.95
179	109	"	1.9	4 59	5	5.6	5.5	1 7 82	5.4	1 27 82	5.8	12 19 86	5.65
180	111	*Ceti*	2.3	−10 51	7	3.25	3.5	11 9 84	3.1	11 11 84	3.2	10 23 86	3.2
181	110	*Piscium*	2.4	+ 9 4	4	7.05	7.0	1 27 82	7.05	12 21 86	7.1	11 17 87	7.05
182	112	*Ceti*	3.9	− 9 34	7	6.6	6.5	11 11 84	6.5	11 17 84	6.5	10 23 86	6.7
183	113	"	4.1	+ 1 47	5	6.25	6.1	1 7 82	6.1	11 24 86	6.3	11 26 86	6.3
184	111	*Piscium*	4.4	8 53	4	7.1	7.0	1 27 82	7.2	12 21 86	7.15	11 17 87	7.05
185	112	"	4.9	9 38	4	6.55	6.6	1 27 82	6.4	12 21 86	6.6	11 17 87	6.6
186	114	*Ceti*	5.4	− 2 55	3	6.35	6.1	1 30 82	6.2	11 18 86	6.35	11 17 87	6.4
187	115	"	6.1	+ 1 49	5	6.55	6.3	1 7 82	6.4	11 24 86	6.6	11 26 86	6.7
188	116	"	6.5	− 7 27	3	6.9	6.9	11 11 84	6.8	11 17 84	7.0	10 23 86	6.9
189	113	*Piscium*	7.2	+ 6 55	3	4.85	4.8	1 27 82	5.0	12 19 86	4.8	12 21 86	4.8
190	117	*Ceti*	7.8	−14 8	3	6.95	7.0	11 11 84	6.9	10 23 86	6.95	12 24 88	6.95
191	118	"	8.1	8 36	3	5.15	5.3	11 11 84	5.2	10 23 86	5.1	12 24 88	5.1
192	114	*Piscium*	8.2	+ 6 20	4	6.1	6.2	1 27 82	6.1	12 21 86	6.2	12 25 86	6.1
193	119	*Ceti*	8.4	− 1 39	3	5.85	5.8	1 30 82	5.8	11 18 86	5.9	12 4 88	5.8
194	120	"	9.2	+ 0 15	5	6.55	6.7	1 30 82	6.6	11 24 86	6.5	11 26 86	6.45
195	121	"	10.3	− 3 10	3	5.45	5.5	1 30 82	5.5	11 18 86	5.4	12 4 88	5.5
196	122	"	10.6	2 56	3	6.85	6.9	1 30 82	6.9	11 18 86	6.8	12 4 88	6.85
197	123	"	11.4	8 19	3	6.9	7.0	11 11 84	6.8	11 17 84	7.0	10 23 86	6.9
198	115	*Piscium*	11.4	+ 2 57	3	5.0	5.2	1 27 82	5.1	12 19 86	4.95	12 21 86	5.0
199	124	*Ceti*	13.4	− 1 10	3	6.05	6.1	1 30 82	6.1	11 18 86	6.05	12 4 88	6.0
200	125	"	13.8	10 32	3	6.55	6.6	1 3 83	6.6	10 23 86	6.55	12 2 88	6.55
201	126	"	13.8	16 28	3	6.65	6.7	11 11 84	6.6	10 23 86	6.7	12 24 88	6.65
202	127	"	14.2	3 54	3	6.35	6.3	1 30 82	6.4	11 18 86	6.35	12 4 88	6.35
203	128	"	1 14.3	11 54	4	6.2	6.3	1 3 83	6.1	10 23 86	6.25	11 27 86	6.2

No.	U. A. No.	Name	1875. R. A.	1875. Decl.	No Obs	Mag. Mean Obs'd.	Mag. U. A	Separate Observations Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. m.	° ′									
204	129	*Ceti*	1 14.5	−14 33	3	6.95	7.0	11 11 84	6.9	10 23 86	6.95	12 24 88	6.95
205	130	"	15.0	6 49	7	6.8	6.6	2 8 82	6.7	11 11 84	7.0	11 17 84	6.7
206	131	"	16.2	+ 1 5	5	6.55	6.8	1 30 82	6.6	11 24 86	6.5	11 26 86	6.45
207	132	"	16.2	− 1 6	3	6.8	6.7	1 30 82	6.8	11 18 86	6.8	12 4 88	6.8
208	133	"	16.5	19 44	3	6.4	6.4	11 11 84	6.4	10 23 86	6.35	12 22 88	6.4
209	134	"	17.6	25 0	3	6.65	6.5	11 11 84	6.6	12 20 86	6.7	12 22 88	6.65
210	135	"	17.7	8 39	3	6.8	6.9	11 14 84	6.7	10 23 86	6.9	11 12 87	6.8
211	109	*Sculptoris*	17.7	31 36	4	6.3	6.0	11 14 84	6.3	10 23 86	6.3	11 9 87	6.3
212	136	*Ceti*	17.8	8 50	7	3.5	3.2	11 9 84	3.45	11 11 84	3.6	10 23 86	3.5
213	137	"	18.1	7 34	5	5.95	5.9	2 8 82	6.05	11 11 84	5.9	10 23 86	6.0
214	110	*Sculptoris*	18.4	32 28	3	6.8	6.8	11 14 84	6.7	10 23 86	6.75	12 28 88	6.9
215	138	*Ceti*	18.5	3 30	3	6.4	6.4	1 30 82	6.4	11 18 86	6.45	12 4 88	6.4
216	139	"	18.5	16 19	3	6.3	6.4	11 11 84	6.3	10 23 86	6.35	12 24 88	6.2
217	140	"	18.7	6 36	7	6.55	6.5	2 8 82	6.6	11 11 84	6.8	11 17 84	6.4
218	116	*Piscium*	19.2	+ 2 19	4	6.85	7.0	1 30 82	6.8	11 24 86	6.8	11 26 86	6.95
219	141	*Ceti*	19.5	−15 15	3	5.15	5.1	1 3 83	5.1	10 23 86	5.25	11 26 86	5.15
220	142	"	19.5	4 37	33	6.65	var.	1 30 82	6.6	11 28 86	6.65	2 6 88	6.75
221	143	"	19.7	9 9	4	6.9	7.0	11 14 84	6.8	10 23 86	7.0	11 12 87	7.05
222	144	"	20.1	1 3	3	6.6	6.6	1 30 82	6.6	11 18 86	6.55	12 4 88	6.6
223	117	*Piscium*	20.4	+ 2 53	5	6.55	6.6	1 30 82	6.6	11 24 86	6.6	11 26 86	6.45
224	145	*Ceti*	20.7	−13 42	5	5.5	5.5	1 3 83	5.7	10 23 86	5.45	11 18 86	5.5
225	...	*Sculptoris*	20.7	30 56	3	7.3	7.5	11 14 84	7.3	10 23 86	7.4	12 28 88	7.2
226	146	*Ceti*	21.2	9 57	3	6.9	6.7	11 14 84	6.9	10 23 86	6.9	12 2 88	6.9
227	112	*Sculptoris*	21.3	30 53	4	6.9	6.9	11 14 84	7.1	10 23 86	6.85	11 9 87	6.85
228	147	*Ceti*	21.4	21 0	5	7.0	6.9	11 11 84	6.9	10 23 86	6.9	12 22 89	7.1
229	148	"	21.4	22 59	3	6.6	6.6	11 11 84	6.6	10 23 86	6.6	12 22 88	6.65
230	149	"	21.5	11 33	5	6.35	6.2	1 3 83	6.4	10 23 86	6.25	11 18 86	6.4
231	150	"	21.7	2 41	3	6.8	6.8	1 30 82	6.8	11 18 86	6.8	12 4 88	6.8
232	118	*Piscium*	21.8	+ 7 19	3	6.05	5.9	2 8 82	6.1	12 21 86	6.0	12 24 88	6.1
233	151	*Ceti*	22.0	−22 41	3	6.6	6.7	11 11 84	6.6	10 23 86	6.6	12 22 88	6.65
234	152	"	22.1	12 54	3	6.75	6.8	1 3 83	6.8	10 23 86	6.7	11 27 86	6.75
235	119	*Piscium*	22.5	+ 6 39	4	6.55	6.6	2 8 82	6.45	12 21 86	6.6	11 17 87	6.45
236	153	*Ceti*	22.9	−18 35	3	6.6	6.5	11 11 84	6.7	10 23 86	6.5	10 12 87	6.6
237	154	"	22.9	25 27	3	6.95	6.9	11 11 84	6.9	10 23 86	6.95	12 22 88	6.95
238	155	"	23.3	10 8	3	6.9	6.9	11 14 84	6.9	10 23 86	6.9	12 2 88	6.95
239	...	"	23.5	13 52	5	7.0	..	1 3 83	7.0	10 23 86	7.05	11 27 86	7.0
240	156	"	23.6	6 15	3	6.55	6.6	2 8 82	6.6	11 18 86	6.5	12 22 88	6.5
241	157	"	23.6	22 17	5	5.05	5.3	11 11 84	4.9	10 23 86	5.2	11 18 86	5.0
242	120	*Piscium*	23.6	+ 5 30	3	5.05	5.0	1 27 82	5.0	12 19 86	5.1	12 21 86	5.1
243	115	*Sculptoris*	23.8	−26 16	5	6.55	6.6	11 11 84	6.5	10 23 86	6.45	12 24 88	6.7
244	116	"	24.5	26 51	3	6.2	6.2	11 11 84	6.2	10 23 86	6.2	12 24 88	6.15
245	158	*Ceti*	24.7	5 36	4	6.85	7.0	2 8 82	6.95	11 18 86	6.8	11 17 87	6.85
246	159	"	25.5	12 54	3	7.0	6.9	1 3 83	7.0	10 23 86	7.05	11 27 86	6.9
247	160	"	25.7	7 22	4	7.4	6.9	11 14 84	7.2	11 28 86	7.4	11 17 87	7.5
248	117	*Sculptoris*	25.7	30 38	3	6.85	6.8	11 14 84	6.8	10 23 86	6.85	12 28 88	6.85
249	118	"	25.9	30 56	4	6.05	6.0	11 14 84	6.0	10 23 86	6.15	11 9 87	6.05
250	161	*Ceti*	26.2	24 17	3	7.0	7.0	11 11 84	7.0	10 23 86	6.95	12 22 88	7.0
251	162	"	25.5	19 40	3	6.35	6.3	11 11 84	6.3	10 23 86	6.35	12 22 88	6.35
252	163	"	26.8	9 40	3	6.5	6.5	11 14 84	6.5	10 23 86	6.55	12 2 88	6.45
253	121	*Piscium*	26.8	+ 7 34	3	6.85	6.7	2 8 82	6.8	12 21 86	6.85	12 24 88	6.85
254	164	*Ceti*	27.3	−24 49	3	6.95	7.0	11 11 84	7.0	10 23 86	6.95	12 22 88	6.95
255	165	"	27.4	7 40	4	5.9	5.9	2 8 82	5.8	11 14 84	5.9	11 18 86	5.95
256	166	"	1 28.5	4 10	3	6.55	6.5	2 8 82	6.6	11 18 86	6.5	12 24 88	6.5

No.	U. A. No.	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U. A	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. *m.*	° ′									
257	167	*Ceti*	1 28.5	−16 19	5	5.5	5.6	1 3.83	5.4	10 23 86	5.45	11 26 86	5.5
258	168	"	28.9	24 20	3	6.65	6.7	11 11 84	6.7	10 23 86	6.7	12 22 88	6.5
259	122	*Piscium*	29.5	+ 7 0	4	6.9	7.0	2 8 82	7.0	12 21 86	6.85	11 17 87	6.8
260	169	*Ceti*	29.9	−16 2	4	5.6	5.5	1 3 83	5.5	10 23 86	5.6	11 26 86	5.7
261	123	*Piscium*	30.2	+ 7 12	2	6.7	6.7	2 8 82	6.7	12 21 86	6.7	.. .. ..	...
262	121	*Sculptoris*	30.4	−30 33	4	5.75	5.9	11 14 84	5.7	10 23 86	5.9	11 9 87	5.75
263	170	*Ceti*	31.4	10 3	4	6.2	6.2	11 14 84	6.2	10 23 86	6.2	11 26 86	6.1
264	171	"	31.5	4 5	6	6.65	6.6	2 8 82	6.4	11 18 86	6.8	11 28 86	6.75
265	172	"	32.9	21 55	5	5.65	5.7	11 11 84	5.5	10 23 86	5.85	11 18 86	5.7
266	123	*Sculptoris*	33.0	25 40	2	6.6	6.6	11 11 84	6.6	10 23 86	6.6	.. .. ..	...
267	124	"	33.5	29 40	5	7.1	6.9	11 14 84	7.1	10 23 86	7.0	11 21 86	7.0
268	124	*Piscium*	34.0	+ 8 8	3	6.4	6.5	2 8 82	6.45	12 21 86	6.45	12 24 88	6.35
269	173	*Ceti*	34.4	− 3 15	4	6.8	6.8	2 8 82	6.7	11 18 86	6.8	11 17 87	6.85
270	125	*Piscium*	34.9	+ 4 51	2	4.6	4.5	1 27 82	4.6	12 21 86	4.6	.. .. ..	...
271	174	*Ceti*	35.6	−11 57	3	5.85	5.8	1 3 83	5.9	10 23 86	5.8	11 26 86	5.8
272	175	"	36.4	4 19	4	5.25	5.2	2 8 82	5.2	11 18 86	5.3	12 24 88	5.35
273	176	"	37.6	5 24	3	6.45	6.5	2 8 82	6.4	11 18 86	6.5	11 27 86	6.5
274	126	*Piscium*	38.1	+ 2 36	3	6.85	6.8	1 29 82	6.9	12 21 86	6.8	12 24 88	6.9
275	177	*Ceti*	38.3	−16 36	7	3.25	3.4	11 9 84	3.25	11 11 84	3.5	10 23 86	3.25
276	178	"	38.5	7 24	4	6.35	6.4	2 8 82	6.3	11 18 86	6.35	11 27 86	6.4
277	127	*Piscium*	38.8	+ 8 32	4	4.3	4.3	1 27 82	4.15	12 21 86	4.2	12 24 88	4.45
278	128	"	39.1	7 56	3	6.65	6.7	2 8 82	6.7	12 21 86	6.6	12 24 88	6.6
279	129	"	39.3	3 2	3	6.85	6.8	1 29 82	6.9	12 21 86	6.8	12 24 88	6.9
280	130	"	39.5	2 48	5	6.7	6.7	1 29 82	6.5	12 21 86	6.7	11 17 87	6.65
281	179	*Ceti*	39.7	− 6 22	3	5.55	5.5	2 8 82	5.5	11 18 86	5.6	12 24 88	5.6
282	131	*Sculptoris*	39.8	25 41	3	5.35	5.4	11 11 84	5.3	10 23 86	5.4	12 28 88	5.3
283	1	*Fornacis*	40.2	27 58	3	6.35	6.4	11 14 84	6.3	10 23 86	6.45	11 21 86	6.35
284	180	*Ceti*	40.9	14 31	3	6.55	6.6	11 17 84	6.6	10 23 86	6.5	12 22 88	6.55
285	181	"	41.7	21 28	2	6.9	6.8	11 11 84	6.9	12 20 86	6.9	.. .. ..	...
286	131	*Piscium*	42.0	+ 3 4	4	6.15	5.9	1 29 82	6.15	12 21 86	6.1	12 12 87	6.2
287	..	*Fornacis*	42.8	−26 53	3	6.9	..	11 14 84	6.9	10 23 86	7.05	11 21 86	6.8
288	182	*Ceti*	43.5	11 18	3	4.6	4.8	11 9 84	4.6	11 11 84	4.6	10 23 86	4.6
289	183	"	44.0	7 19	4	6.8	6.9	11 18 86	6.9	11 27 86	6.7	11 17 87	6.75
290	184	"	44.2	13 31	3	7.0	7.0	11 17 84	7.0	10 23 86	7.0	12 22 88	7.0
291	185	"	45.3	10 57	8	3.7	3.5	11 9 84	3.85	11 11 84	3.9	10 23 86	3.7
292	186	"	45.4	7 29	3	6.6	6.4	11 18 86	6.65	11 27 86	6.6	12 24 88	6.6
293	187	"	45.7	16 16	3	6.65	6.7	11 17 84	6.6	10 23 86	6.7	12 22 88	6.7
294	188	"	46.9	17 33	3	5.75	5.8	11 17 84	5.7	10 23 86	5.8	12 22 88	5.7
295	132	*Piscium*	47.1	+ 2 34	3	4.75	4.7	1 27 82	4.8	12 21 86	4.7	12 24 88	4.7
296	133	"	47.8	8 10	4	6.9	6.8	2 8 82	6.9	12 21 86	6.9	12 24 88	6.85
297	7	*Fornacis*	49.3	−25 30	2	7.0	6.9	12 7 84	7.0	11 18 86	7.0	.. .. ..	...
298	189	*Ceti*	49.4	+ 1 14	4	6.05	6.3	1 29 82	6.15	11 28 86	6.1	12 24 88	6.0
299	190	"	50.8	−23 8	4	5.1	5.0	11 9 84	5.1	11 11 84	5.1	11 18 86	5.1
300	191	"	51.1	10 51	4	6.6	6.4	12 16 84	6.7	11 19 86	6.7	12 24 88	6.55
301	192	"	51.6	2 40	5	6.35	6.4	1 29 82	6.4	2 14 82	6.3	1 26 84	6.4
302	193	"	52.6	11 54	3	6.55	6.6	12 16 84	6.5	11 19 86	6.6	12 24 88	6.55
303	194	"	53.2	23 32	3	6.85	7.0	12 7 84	7.0	11 18 86	6.8	11 17 87	6.8
304	134	*Piscium*	53.4	+ 5 26	4	6.8	6.9	2 8 82	6.75	12 21 86	6.8	12 24 88	6.9
305	195	*Ceti*	53.5	−14 29	4	6.9	6.9	11 17 84	7.0	10 23 86	6.85	11 17 87	7.0
306	10	*Fornacis*	53.6	27 2	3	6.65	6.6	11 14 84	6.7	11 18 86	6.6	11 21 86	6.65
307	135	*Piscium*	53.7	+ 2 30	5	6.0	6.0	1 29 82	5.9	11 28 86	6.15	12 21 86	5.8
308	196	*Ceti*	53.9	−21 26	3	5.9	5.7	12 7 84	5.9	11 18 86	5.95	12 24 88	5.85
309	...	"	1 53.9	3 58	4	6.75	..	2 14 82	6.9	11 21 86	6.7	11 26 86	6.7p

No.	U. A. No.	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U. A	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. m	° ′									
310	197	*Ceti*	1 54.1	−21 41	3	4.2	3.9	11 9 84	4.3	11 11 84	4.2	10 23 86	4.15
311	198	"	54.2	9 8	4	5.6	5.7	12 16 84	5.6	11 19 86	5.5	12 24 88	5.55
312	...	"	54.6	9 5	4	7.3	7.4	12 16 84	7.2	11 19 86	7.3	12 24 88	7.3
313	11	*Fornacis*	54.9	25 2	2	7.0	7.0	12 7 84	7.0	11 18 86	7.0	.. .. ..	...
314	136	*Piscium*	55.3	+ 7 16	4	7.0	7.0	2 8 82	6.9	12 21 86	7.0	12 24 88	7.0
315	137	"	55.6	2 10	4	3.55	3.8	2 24 86	3.5	11 24 86	3.5	12 24 88	3.55
316	12	*Fornacis*	55.7	−30 36	4	5.6	5.5	11 14 84	5.7	10 23 86	5.5	11 9 87	5.7
317	199	*Ceti*	56.5	2 59	5	6.7	6.8	1 29 82	6.7	2 14 82	6.7	1 26 84	6.6
318	200	"	56.8	22 34	4	6.9	7.0	12 7 84	7.0	11 18 86	6.8	11 12 87	7.0
319	201	"	56.8	0 28	5	5.45	5.4	1 29 82	5.4	2 14 82	5.35	1 26 84	5.6
320	13	*Fornacis*	56.9	30 16	3	6.65	6.7	11 14 84	6.5	10 23 86	6.75	11 9 87	6.65
321	202	*Ceti*	57.0	15 55	4	6.05	5.9	11 17 84	6.0	10 23 86	6.0	12 24 88	6.2
322	14	*Fornacis*	57.1	24 29	4	6.55	6.2	12 7 84	6.6	11 18 86	6.5	11 9 87	6.6
323	203	*Ceti*	57.4	4 42	5	5.85	5.8	1 29 82	5.8	2 14 82	5.8	1 26 84	5.9
324	204	"	57.4	0 56	6	6.1	5.9	1 29 82	6.1	2 14 82	6.1	1 26 84	6.1
325	205	"	58.1	12 28	3	6.7	6.7	12 16 84	6.7	11 19 86	6.6	12 24 88	6.8
326	138	*Piscium*	58.2	+ 7 8	4	6.55	6.5	2 8 82	6.6	12 21 86	6.6	12 24 88	6.5
327	15	*Fornacis*	58.9	−29 54	3	4.8	4.9	11 14 84	4.8	10 23 86	4.8	11 19 86	4.8
328	139	*Piscium*	59.2	+ 6 26	4	6.8	6.9	2 8 82	6.75	12 21 86	6.7	12 24 88	6.85
329	140	"	1 59.6	7 39	5	6.7	6.6	2 8 82	6.75	12 21 86	6.7	12 24 88	6.65
330	206	*Ceti*	2 0.0	−10 52	4	6.6	6.6	12 16 84	6.5	11 19 86	6.6	12 25 88	6.65
331	207	"	0.1	0 34	7	6.55	6.3	1 29 82	6.7	2 14 82	6.5	1 26 84	6.6
332	208	"	0.9	9 12	3	6.8	6.7	12 16 84	6.8	11 19 86	6.8	12 25 88	6.8
333	209	"	1.0	19 44	3	6.65	6.7	12 16 84	6.7	11 18 86	6.6	11 27 86	6.7
334	210	"	1.2	1 12	6	6.8	7.0	1 29 82	6.7	2 14 82	6.7	1 26 84	6.9
335	211	"	2.2	10 38	3	6.85	6.9	12 16 84	6.8	11 19 86	6.9	12 25 88	6.8
336	212	"	2.3	7 16	3	6.65	6.6	12 16 84	6.7	12 27 89	6.7	1 14 90	6.6
337	16	*Fornacis*	2.5	28 10	4	7.0	7.0	11 14 84	7.1	11 21 86	6.95	12 12 87	7.05
338	213	*Ceti*	2.8	18 22	4	6.55	6.5	12 16 84	6.5	11 18 86	6.6	11 24 86	6.65
339	214	"	3.4	+ 3 11	3	6.9	6.8	2 14 82	6.85	11 24 86	6.9	12 25 88	6.9
340	18	*Fornacis*	3.9	−24 56	4	6.45	6.4	12 7 84	6.4	11 18 86	6.4	11 19 86	6.6
341	215	*Ceti*	4.8	+ 7 59	5	5.7	5.7	2 14 82	5.95	11 28 86	5.7	12 25 86	5.7
342	216	"	5.1	−15 40	2	6.6	6.6	11 17 84	6.6	10 23 86	6.6	.. .. ..	...
343	...	"	5.1	28 49	3	7.0	..	11 14 84	7.1	11 21 86	6.95	12 12 87	6.95
344	217	"	5.2	+ 2 52	4	6.75	6.7	2 14 82	6.85	11 24 86	6.8	12 25 88	6.7
345	218	"	5.3	− 2 25	4	6.05	6.0	1 29 82	6.1	2 14 82	6.1	11 21 86	6.0
346	219	"	5.3	10 38	3	5.95	5.9	12 16 84	6.0	11 19 86	5.95	12 25 88	5.95
347	220	"	5.7	19 54	3	6.75	6.7	12 16 84	6.7	11 18 86	6.8	11 27 86	6.8
348	222	"	5.6	18 20	3	6.75	6.8	12 16 84	6.7	11 18 86	6.8	11 27 86	6.75
349	221	"	5.8	+ 2 9	3	6.8	6.8	2 14 82	6.85	11 24 86	6.7	12 25 86	6.8
350	...	"	6.1	−18 19	4	7.2	7.3	12 16 84	7.0	11 18 86	7.2	11 27 86	7.2
351	223	"	6.4	+ 8 16	5	4.6	4.3	1 27 82	4.4	11 28 86	4.55	12 25 86	4.65
352	224	"	6.4	− 2 59	6	5.55	5.8	1 29 82	5.55	2 14 82	5.6	1 26 84	5.4
353	225	"	7.0	+ 4 26	4	6.8	6.8	2 14 82	6.85	11 24 86	6.8	12 25 88	6.7
354	226	"	7.2	−21 35	2	5.7	5.8	12 16 84	5.7	11 18 86	5.7	.. .. ..	...
355	19	*Fornacis*	7.4	31 19	3	5.3	5.4	11 14 84	5.4	10 23 86	5.2	12 12 87	5.35
356	227	*Ceti*	7.7	9 39	5	6.7	6.5	12 16 84	6.6	11 19 86	6.8	11 28 86	6.8
357	228	"	8.8	+ 0 8	4	6.7	6.8	2 14 82	6.85	12 20 86	6.7	12 25 86	6.6
358	229	"	9.3	−10 3	4	6.4	6.4	12 16 84	6.5	11 19 86	6.3	12 25 86	6.45
359	230	"	10.1	10 24	3	6.7	6.8	12 16 84	6.7	11 19 86	6.8	12 25 88	6.65
360	231	"	10.8	7 0	3	5.5	5.7	11 21 86	5.4	12 20 86	5.6	12 25 86	5.5
361	232	"	11.5	+ 1 10	3	6.2	6.1	2 14 82	6.1	11 24 86	6.25	11 26 86	6.2
362	234	"	2 13.4	− 4 55	4	6.5	6.8	2 14 82	6.5	1 26 84	6.5	11 21 86	6.5

No.	U. A. No.	Name	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd	Mag. U. A	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. m.	° ′									
363	22	*Fornacis*	2 13.4	−26 32	4	6.45	6.5	12 7 84	6.4	11 19 86	6.6	12 12 87	6.45
364	235	*Ceti*	15.4	20 29	3	6.7	6.7	12 16 84	6.6	11 18 86	6.8	12 25 86	6.7
365	236	"	15.5	0 11	5	6.0	5.8	2 14 82	5.8	1 26 84	6.0	11 24 86	6.05
366	237	"	15.9	1 27	7	5.7	5.9	2 14 82	5.95	1 26 84	5.8	11 24 86	5.65
367	238	"	15.9	11 21	2	5.2	5.4	12 16 84	5.2	11 21 86	5.2	.. .. ..	...
368	239	"	16.2	18 14	3	6.05	5.9	12 16 84	6.0	11 18 86	6.1	12 12 87	6.0
369	23	*Fornacis*	16.8	24 23	3	5.25	5.4	11 18 86	5.25	11 19 86	5.15	12 12 87	5.35
370	240	*Ceti*	17.1	18 55	2	6.25	6.3	12 16 84	6.25	11 18 86	6.25	.. .. ..	...
371	241	"	17.2	6 46	3	6.95	6.9	11 21 86	7.0	12 20 86	6.9	12 25 88	6.9
372	24	*Fornacis*	17.8	27 34	3	6.7	6.8	12 7 84	6.6	11 19 86	6.8	12 12 87	6.7
373	242	*Ceti*	18.1	3 40	6	7.1	7.0	2 14 82	7.1	1 26 84	7.1	11 21 86	7.15
374	243	"	18.2	16 49	3	6.65	6.4	12 16 85	6.7	11 21 86	6.7	11 26 86	6.6
375	244	"	18.7	4 28	4	6.85	7.0	2 14 82	6.8	1 26 84	7.0	11 21 86	6.8
376	245	"	18.7	3 21	6	6.55	6.5	2 14 82	6.35	1 26 84	6.5	11 21 86	6.65
377	26	*Fornacis*	18.7	26 25	3	6.6	6.6	12 7 84	6.6	11 19 86	6.6	12 12 87	6.6
378	246	*Ceti*	19.7	+ 5 44	4	6.8	6.9	2 15 82	6.7	12 20 86	6.9	12 25 86	6.8
379	247	"	19.9	−12 51	3	4.65	4.6	12 16 84	4.7	2 23 86	4.6	11 18 86	4.65
380	248	"	20.1	15 54	3	5.6	5.7	12 16 84	5.6	11 21 86	5.55	12 25 88	5.6
381	249	"	20.8	+ 9 39	5	6.6	6.7	2 15 82	6.5	11 26 86	6.45	12 13 87	6.65
382	250	"	20.8	−20 37	2	5.9	6.0	12 16 84	5.9	11 19 86	5.9	.. .. ..	...
383	251	"	21.5	+ 7 54	7	4.3	4.4	2 15 82	4.4	2 24 86	4.35	11 21 86	4.15
384	252	"	21.6	1 24	9	6.8	6.9	2 15 82	6.5	1 24 86	6.9	11 28 86	6.75
385	253	"	22.7	−11 54	5	7.0	6.9	12 16 84	7.1	11 19 86	7.0	12 25 86	6.95
386	254	"	22.9	+ 9 0	7	6.35	6.4	2 15 82	6.8	11 26 86	6.2	11 28 86	6.2
387	255	"	23.5	−21 36	2	7.0	6.9	12 16 84	7.0	11 19 86	7.0	.. .. ..	...
388	257	"	24.2	23 14	3	6.75	6.7	12 16 84	6.8	11 19 86	6.7	12 25 88	6.7
389	256	"	24.4	0 18	8	6.35	6.5	2 15 82	6.5	1 26 84	6.4	11 24 86	6.25
390	30	*Fornacis*	24.6	25 45	3	6.4	6.5	12 7 84	6.4	11 19 86	6.3	12 12 87	6.45
391	258	*Ceti*	24.9	23 6	3	6.4	6.3	12 16 84	6.45	11 19 86	6.35	12 25 88	6.35
392	259	"	25.0	+ 1 43	10	5.9	5.7	2 15 82	5.3	11 24 86	5.95	11 26 86	5.9
393	...	"	25.2	0 33	4	6.9	..	2 15 82	6.8	11 24 86	7.0	12 25 86	6.8
394	260	"	25.8	− 1 35	5	5.7	5.9	2 15 82	5.5	1 26 84	5.8	11 24 86	5.75
395	261	"	26.2	15 48	3	4.65	4.8	12 16 84	4.6	2 23 86	4.7	11 18 86	4.65
396	...	"	27.7	13 53	..	var.	..	.. .. ..	...	.. .. ..	...	.. .. ..	...
397	262	"	27.9	12 53	3	6.75	6.7	12 16 84	6.8	11 19 86	6.7	12 25 86	6.75
398	263	"	27.9	20 33	2	6.2	6.1	12 16 84	6.2	11 19 86	6.2	.. .. ..	...
399	34	*Fornacis*	28.4	28 47	5	5.05	4.9	11 14 84	5.0	11 18 86	5.1	11 19 86	5.3
400	264	*Ceti*	28.5	+ 6 56	5	6.35	5.9	2 15 82	6.5	11 26 86	6.35	12 20 86	6.3
401	265	"	28.5	− 8 24	7	5.8	5.5	12 16 84	5.6	11 21 86	6.1	11 24 86	5.7
402	266	"	28.9	22 29	3	7.0	7.0	12 16 84	7.0	11 19 86	7.0	12 25 88	7.0
403	267	"	29.1	4 6	5	6.95	7.0	2 15 82	6.8	1 26 84	7.0	11 21 86	7.0
404	268	"	29.2	+ 6 17	3	6.05	6.0	2 15 82	6.1	11 26 86	6.0	1 29 89	6.0
405	269	"	29.3	− 9 54	3	6.85	6.7	12 16 84	6.8	11 21 86	6.95	12 12 87	6.75
406	270	"	29.3	+ 5 3	6	5.15	5.1	2 15 82	4.9	11 21 86	5.3	11 24 86	5.3
407	...	"	29.7	−15 29	4	7.0	..	1 10 85	6.8	11 19 86	7.0	12 25 86	7.0
408	271	"	29.8	8 23	6	5.6	5.4	12 16 84	5.6	11 21 86	5.8	11 24 86	5.5
409	272	"	30.0	+ 7 11	7	6.1	5.6	2 15 82	6.3	11 26 86	6.05	11 28 86	6.1
410	...	"	30.1	−18 11	2	6.9	..	12 27 86	6.9	1 16 88	6.9	.. .. ..	...
411	273	"	30.3	21 57	3	6.75	6.7	12 16 84	6.8	11 19 86	6.7	12 25 88	6.75
412	274	"	30.6	15 12	4	6.9	7.0	1 10 85	6.8	11 19 86	6.9	12 25 86	6.95
413	275	"	31.1	20 40	3	6.95	7.0	12 16 84	7.0	11 19 86	6.9	12 25 88	7.0
414	276	"	31.4	+ 7 9	4	6.4	6.5	2 15 82	6.5	11 26 86	6.35	12 25 86	6.4
415	277	"	2 31.4	− 3 56	7	6.05	6.0	2 15 82	5.7	1 26 84	6.1	11 21 86	6.25

No.	U. A. No	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obe'd.	Mag. U. A.	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. m.	° ′									
416	278	*Ceti*	2 32.1	−23 32	3	6.75	6.8	12 16 84	6.8	11 19 86	6.7	12 25 88	6.7
417	279	"	32.1	+ 2 54	2	6.5	6.5	2 15 82	6.5	11 26 86	6.5	.. .. ..	...
418	280	"	32.8	−21 0	4	6.9	6.9	12 16 84	6.8	11 19 86	6.9	12 25 88	7.0
419	281	"	32.9	9 28	4	7.0	7.0	12 16 84	7.1	11 21 86	7.0	12 25 86	6.95
420	282	"	33.1	10 22	7	6.75	6.7	12 16 84	6.6	11 21 86	6.8	12 25 86	7.0
421	283	"	33.1	0 13	4	3.9	4.0	2 24 86	3.9	11 21 86	3.9	11 24 86	3.9
422	284	"	33.5	12 24	5	4.75	4.6	12 16 84	4.9	2 23 86	4.75	11 18 86	4.65
423	285	"	33.7	+ 5 34	5	6.35	6.4	2 15 82	6.5	11 26 86	6.2	11 28 86	6.35
424	286	"	34.1	− 9 59	9	5.55	5.7	12 16 84	5.7	11 21 86	5.7	11 24 86	5.4
425	287	"	34.5	14 59	3	6.65	6.7	1 10 85	6.7	11 19 86	6.6	12 25 86	6.65
426	288	"	34.8	1 14	5	6.15	6.2	2 15 82	5.9	1 26 84	6.2	11 24 86	6.25
427	289	"	35.5	3 45	5	6.5	6.5	2 15 82	6.5	1 26 84	6.5	11 21 86	6.45
428	290	"	35.6	15 2	4	6.05	6.2	1 10 85	6.1	11 19 86	6.0	12 24 88	5.9
429	291-2	"	36.8	+ 2 43	4	3.1	3.2	2 24 86	3.0	11 21 86	3.15	11 24 86	3.15
430	293	"	37.2	− 3 4	6	6.85	6.8	2 15 82	6.7	1 26 84	6.8	11 21 86	6.9
431	294	"	37.8	8 26	3	6.75	6.8	12 16 84	6.8	11 21 86	6.7	12 24 88	6.7
432	295	"	38.2	+ 9 35	5	4.5	4.3	2 24 86	4.7	11 21 86	4.4	11 24 86	4.4
433	296	"	38.2	−14 23	6	4.05	4.1	12 16 84	4.0	2 23 86	4.15	11 18 86	4.15
434	41	*Fornacis*	38.3	28 26	3	6.85	7.0	1 10 85	6.8	11 18 86	6.7	12 28 88	7.0
435	43	"	38.7	26 2	2	6.9	7.0	1 10 85	6.9	11 19 86	6.9	.. .. ..	...
436	297	*Ceti*	38.8	+ 4 11	6	6.2	6.3	2 15 82	6.5	11 24 86	6.1	11 28 86	6.2
437	22	*Eridani*	39.3	−19 6	3	4.4	4.5	2 6 82	4.4	12 16 84	4.4	2 23 86	4.4
438	298	*Ceti*	39.4	22 42	4	7.0	7.0	1 10 85	6.9	11 19 86	7.1	12 25 86	7.05
439	23	*Eridani*	39.6	20 56	2	7.0	7.0	1 10 85	7.0	11 19 86	7.0	.. .. ..	...
440	...	"	40.8	22 11	3	7.35	7.5	1 10 85	7.4	11 19 86	7.3	12 28 88	7.3
441	26	"	41.1	22 10	3	6.7	6.7	1 10 85	6.75	11 19 86	6.7	12 28 88	6.7
442	27	"	41.6	23 1	2	6.6	6.5	1 10 85	6.6	11 19 86	6.6	.. .. ..	...
443	299	*Ceti*	43.2	+ 0 24	5	7.0	7.0	2 15 82	7.0	11 24 86	6.85	12 25 86	7.2
444	28	*Eridani*	44.1	− 5 30	7	7.15	6.9	1 10 85	7.2	11 26 86	7.1	12 25 86	7.1
445	50	*Fornacis*	44.3	25 4	4	6.4	6.4	1 10 85	6.6	11 19 86	6.35	12 12 87	6.45
446	51	"	44.5	28 28	2	5.5	5.6	1 10 85	5.5	11 18 86	5.5	.. .. ..	...
447	30	*Eridani*	45.4	21 31	3	4.95	4.9	2 6 82	5.0	2 23 86	4.9	12 28 88	4.95
448	32	"	46.5	13 17	2	6.2	6.1	1 10 85	6.2	11 19 86	6.2	.. .. ..	...
449	33	"	46.8	9 57	5	6.4	6.4	12 16 84	6.2	11 21 86	6.45	11 24 86	6.4
450	300	*Ceti*	47.1	+ 8 49	3	6.95	6.9	2 15 82	7.0	11 28 86	6.9	12 25 88	7.05
451	301	"	47.2	1 28	5	6.95	6.9	2 15 82	7.0	11 24 86	6.85	12 25 86	7.1
452	34	*Eridani*	47.7	−22 36	2	6.9	6.8	1 10 85	6.9	11 19 86	6.9	.. .. ..	...
453	35	"	48.0	22 53	3	6.25	6.3	1 10 85	6.3	11 19 86	6.25	12 28 88	6.25
454	37	"	48.1	10 57	5	6.8	6.8	12 16 84	6.6	11 21 86	6.8	11 26 86	6.9
455	302	*Ceti*	48.4	0 34	5	6.8	6.7	2 15 82	7.0	11 24 86	6.85	12 25 86	6.7
456	303	"	48.6	+ 2 59	4	6.9	7.0	10 20 86	6.9	11 24 86	6.9	1 16 88	6.9
457	38	*Eridani*	49.0	−14 32	2	6.8	6.8	1 10 85	6.8	11 21 86	6.8	.. .. ..	...
458	304	*Ceti*	49.1	+ 1 31	5	6.7	6.8	2 15 82	6.7	11 24 86	6.65	12 20 86	6.9
459	305	"	49.6	7 53	3	6.35	6.3	2 15 82	6.3	11 28 86	6.4	12 25 88	6.35
460	58	*Fornacis*	50.0	−25 49	3	6.9	6.9	1 10 85	6.9	11 19 86	6.8	12 28 88	7.0
461	39	*Eridani*	50.3	9 24	9	3.9	3.7	2 6 82	3.8	3 7 82	4.0	12 16 84	3.8
462	40	"	50.4	4 13	4	5.0	5.1	2 15 82	4.9	2 23 86	5.0	11 21 86	5.1
463	306	*Ceti*	50.5	+ 4 0	4	6.75	6.7	2 15 82	6.7	11 24 86	6.9	1 16 88	6.75
464	307	"	50.8	− 0 3	4	6.7	6.7	2 15 82	6.7	11 24 86	6.65	1 16 88	6.65
465	41	*Eridani*	51.8	24 22	5	5.7	5.7	2 6 82	5.8	1 10 85	5.6	11 18 86	5.5
466	...	*Fornacis*	51.8	25 28	3	7.1	7.0	1 10 85	7.1	11 19 86	7.2	12 28 88	7.0
467	61	"	51.9	30 22	4	6.4	6.3	1 10 85	6.35	11 18 86	6.4	1 16 87	6.4
468	42	*Eridani*	2 52.2	12 30	3	6.8	6.6	1 10 85	6.8	11 21 86	6.7	12 28 88	6.85

No.	U. A. No.	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U.A.	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. *m.*	° ′									
469	43	*Eridani*	2 52.4	− 3 17	3	5.25	5.2	2 15 82	5.2	2 23 86	5.2	11 21 86	5.3
470	44	"	52.5	24 7	3	6.25	6.2	1 10 85	6.2	11 19 86	6.2	12 28 88	6.3
471	45	"	52.7	10 17	4	6.25	6.2	12 16 84	6.1	11 21 86	6.3	12 21 86	6.3
472	308	*Ceti*	53.0	+ 8 25	4	4.75	4.8	2 15 82	4.6	11 21 86	4.8	11 24 86	4.8
473	46	*Eridani*	53.4	− 2 58	6	5.6	5.4	2 15 82	5.9	2 23 86	5.45	11 21 86	5.5
474	47	"	53.5	7 41	4	7.05	7.0	3 7 82	7.0	11 24 86	7.1	11 26 86	7.1
475	63	*Fornacis*	53.8	29 24	4	6.3	6.3	1 10 85	6.2	11 18 86	6.4	1 16 87	6.3
476	50	*Eridani*	54.0	14 11	3	6.9	6.9	1 10 85	6.9	11 21 86	6.8	12 28 88	6.95
477	65	*Fornacis*	54.1	25 47	3	5.85	5.9	1 10 85	5.85	11 18 86	5.9	11 19 86	5.8
478	51	*Eridani*	54.6	3 23	7	6.8	6.9	1 10 85	6.45	1 18 85	6.8	11 26 86	6.8
479	52	"	55.0	8 9	6	6.1	6.1	3 7 82	6.2	2 23 86	5.95	11 24 86	6.2
480	309	*Ceti*	55.3	+ 4 51	3	6.75	6.6	2 15 82	6.7	11 24 86	6.8	12 25 88	6.7
481	310	"	55.8	3 36	4	2.6	2.4	2 24 86	2.6	11 21 86	2.6	11 24 86	2.65
482	311	"	55.8	3 52	4	6.3	6.4	2 15 82	6.5	11 24 86	6.4	12 25 88	6.3
483	53	*Eridani*	55.9	−10 27	5	6.05	6.3	1 10 85	5.85	11 21 86	6.1	12 25 86	6.15
484	54	"	56.0	6 59	3	6.75	6.7	3 7 82	6.7	11 24 86	6.7	11 26 86	6.8
485	68	*Fornacis*	56.2	28 34	6	6.1	6.0	1 10 85	6.2	11 18 86	6.1	11 19 86	6.2
486	55	*Eridani*	56.6	8 11	5	5.7	5.6	3 7 82	5.8	2 23 86	5.7	11 24 86	5.6
487	56	"	56.9	24 7	5	3.95	4.1	2 6 82	4.1	11 18 86	3.9	11 19 86	3.8
488	312	*Ceti*	56.9	+ 5 44	3	6.9	6.9	2 15 82	6.9	11 24 86	7.0	12 25 88	6.8
489	...	"	57.2	5 38	4	7.1	7.3	2 15 82	7.0	11 24 86	7.2	11 16 88	7.1
490	57	*Eridani*	58.1	− 8 6	8	5.35	5.3	3 7 82	5.6	2 23 86	5.45	11 24 86	5.1
491	313	*Ceti*	58.2	+ 1 23	2	6.6	6.6	2 15 82	6.6	12 20 86	6.6	.. .. ..	...
492	59	*Eridani*	2 59.1	− 8 46	4	6.75	6.9	3 7 82	6.7	11 24 86	6.7	11 26 86	6.8
493	61	"	3 0.4	6 34	3	5.85	5.8	3 7 82	5.8	11 24 86	5.9	11 26 86	5.8
494	62	"	0.5	10 44	4	6.85	6.7	1 10 85	6.9	11 21 86	6.7	1 16 87	6.85
495	63	"	1.4	14 14	2	6.8	6.9	1 10 85	6.8	11 21 86	6.8	.. .. ..	...
496	314	*Ceti*	2.0	+ 7 59	4	6.7	6.6	2 15 82	6.75	11 28 86	6.8	12 28 88	6.55
497	69	*Fornacis*	2.5	−28 19	6	6.15	6.2	1 10 85	6.35	11 18 86	6.1	11 19 86	6.2
498	64	*Eridani*	5.1	4 17	2	6.75	6.7	2 15 82	6.75	11 26 86	6.75	.. .. ..	...
499	65	"	5.1	24 13	2	6.6	6.6	1 10 85	6.6	11 19 86	6.6	.. .. ..	...
500	66	"	5.2	13 44	3	6.5	6.4	1 10 85	6.45	11 21 86	6.6	12 21 86	6 5
501	67	"	5.5	16 30	4	6.5	6.5	1 10 85	6.4	11 19 86	6.6	12 21 86	6.4
502	315	*Ceti*	5.8	+ 6 11	3	6.1	6.1	2 15 82	6.1	11 28 86	6.0	12 28 88	6.15
503	316	"	6.4	− 1 40	3	5.3	5.3	2 15 82	5.35	11 21 86	5.25	11 24 86	5.3
504	68	*Eridani*	6.6	21 6	3	6.9	6.9	1 10 85	6.9	11 19 86	6.9	12 25 88	6.85
505	72	*Fornacis*	6.8	29 29	3	3.75	3.6	11 19 86	3.7	1 16 87	3.8	12 28 88	3.8
506	70	*Eridani*	7.3	20 30	3	6.95	7.0	1 10 85	6.9	11 19 86	7.0	12 25 88	6.95
507	74	*Fornacis*	8.1	28 3	4	6.75	6.4	1 10 85	6.7	11 18 86	6.7	1 16 87	6.8
508	76	"	8.4	30 16	4	6.45	6.4	1 10 85	6.4	11 18 86	6.55	1 16 87	6.4
509	78	"	9.6	26 34	4	6.35	6.3	1 10 85	6.45	11 19 86	6.2	1 16 87	6.45
510	72	*Eridani*	9.6	20 29	3	6.9	6.8	1 10 85	6.9	11 19 86	6.9	12 25 88	6.95
511	73	"	9.8	9 17	8	4.65	4.9	3 7 82	5.1	2 22 86	4.5	2 23 86	4.6
512	74	"	9.8	6 23	6	6.35	6.6	1 10 85	6.4	1 18 85	6.4	11 26 86	6.55
513	75	"	10.2	6 12	3	6.85	6.9	1 10 85	6.9	11 26 86	6.85	12 28 88	6.85
514	76	"	10.2	4 45	7	7.15	7.0	2 15 82	6.95	11 26 86	7.05	1 18 87	7.3
515	77	"	10.5	9 37	3	6.35	6.5	1 10 85	6.3	11 26 86	6.3	12 28 88	6.4
516	317	*Ceti*	10.5	+ 6 20	3	6.9	7.0	2 15 82	6.85	11 28 86	6.8	2 3 88	6.95
517	...	"	10.7	7 14	3	6.9	6.9	2 15 82	6.95	11 28 86	6.8	2 3 88	6.95
518	78	*Eridani*	11.8	−23 59	3	6.9	6.8	1 10 85	6.9	11 19 86	6.85	12 28 88	7.0
519	318	*Ceti*	12.0	1 23	5	5.65	5.7	2 15 82	5.6	11 21 86	5.6	11 24 86	5.9
520	319	"	12.8	+ 2 55	5	5.0	5.1	2 15 82	4.8	11 24 86	5.0	2 3 88	5.0
521	82	*Fornacis*	3 12.8	−29 15	5	6.1	5.9	1 10 85	6.1	11 18 86	6.2	1 16 87	6.05

No.	U. A. No.	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U. A	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. m.	° ′									
522	79	*Eridani*	3 12.9	−22 58	5	5.15	5.3	2 6 82	5.0	1 10 85	5.3	2 23 86	5.15
523	80	"	13.0	19 1	3	5.8	5.8	1 10 85	5.9	11 19 86	5.7	1 16 87	5.8
524	320	*Ceti*	13.3	+ 0 45	6	7.0	7.0	2 15 82	6.95	11 27 86	7.1	12 25 86	6.85
525	81	*Eridani*	14.0	−22 13	10	3.8	3.4	2 6 82	3.6	2 22 86	3.9	2 24 86	3.7
526	83	*Fornacis*	14.1	24 35	3	6.05	5.9	1 10 85	6.0	11 19 86	6.1	12 28 88	6.05
527	321	*Ceti*	14.6	+ 3 14	5	6.2	6.2	2 15 82	6.1	11 24 86	6.4	11 28 86	6.1
528	85	*Fornacis*	15.4	−26 45	4	6.9	7.0	1 10 85	6.9	11 19 86	7.0	1 16 87	6.8
529	86	"	15.4	27 4	5	6.55	6.5	1 10 85	6.45	11 19 86	6.5	1 16 87	6.6
530	83	*Eridani*	15.9	24 5	2	5.7	5.7	1 10 85	5.7	11 19 86	5.7	.. .. ..	...
531	84	"	16.1	20 47	4	6.7	6.6	1 10 85	6.75	11 19 86	6.7	12 25 88	6.6
532	85	"	16.7	21 33	3	6.95	6.9	1 10 85	6.9	11 19 86	6.9	12 25 88	7.0
533	87	*Fornacis*	16.9	26 2	4	6.4	6.5	1 10 85	6.4	11 19 86	6.3	1 16 87	6.4
534	1	*Tauri*	17.1	+ 4 26	3	6.65	6.6	2 15 82	6.6	11 28 86	6.75	2 24 87	6.65
535	2	"	17.2	0 28	2	6.95	6.9	2 15 82	6.95	11 27 86	6.95	.. .. ..	...
536	86	*Eridani*	17.2	− 8 14	7	6.55	6.5	1 10 85	6.45	1 18 85	6.8	11 26 86	6.7
537	87	"	17.6	17 53	4	6.85	6.8	1 10 85	7.0	11 19 86	6.7	12 21 86	6.9
538	88	"	18.6	14 26	4	6.85	6.9	3 7 82	6.9	12 25 86	6.85	12 25 88	6.8
539	90	*Fornacis*	21.1	27 46	4	6.1	6.1	1 10 85	6.2	11 19 86	6.0	1 16 87	6.2
540	90	*Eridani*	21.9	14 48	3	6.95	6.9	3 7 82	6.95	12 25 86	6.9	12 25 88	7.0
541	91	"	22.1	11 43	4	6.1	5.9	3 7 82	6.1	2 22 86	6.1	1 18 87	6.1
542	5	*Tauri*	22.6	+ 2 49	3	6.7	6.8	1 28 86	6.75	2 13 87	6.6	2 24 87	6.75
543	93	*Eridani*	23.5	− 7 14	9	6.35	6.1	1 10 85	6.45	1 18 85	6.4	11 26 86	6.3
544	94	"	23.7	13 6	4	5.7	5.8	3 7 82	5.8	2 22 86	5.7	12 25 88	5.6
545	95	"	24.1	23 55	3	6.85	6.9	1 10 85	6.9	11 19 86	6.85	12 25 88	6.85
546	6	*Tauri*	24.1	+ 5 46	3	6.4	6.3	2 15 82	6.45	11 28 86	6.45	2 13 87	6.35
547	96	*Eridani*	24.3	−12 4	3	6.85	6.8	3 7 82	6.9	2 22 86	6.8	12 25 88	6.8
548	98	"	24.3	22 56	5	7.0	7.0	1 10 85	6.9	11 19 86	7.05	1 18 87	7.1
549	97	"	24.4	5 30	4	4.8	4.7	2 15 82	4.9	2 22 86	4.7	2 23 86	4.7
550	7	*Tauri*	24.7	0 55	5	6.6	7.0	2 15 82	6.5	11 27 86	6.6	2 13 87	6.65
551	8	"	25.8	+ 8 57	4	6.0	6.0	2 15 82	6.1	2 13 87	5.9	2 24 87	5.9
552	94	*Fornacis*	26.6	−26 2	4	6.25	6.3	1 10 85	6.2	11 19 86	6.25	1 18 87	6.4
553	95	"	27.1	25 3	3	6.9	6.9	1 10 85	6.95	11 19 86	6.8	2 3 88	6.95
554	101	*Eridani*	27.1	9 53	5	3.55	3.6	2 6 82	3.5	3 7 82	3.55	2 22 86	3.5
555	102	"	27.4	15 58	5	7.0	7.0	1 10 85	7.0	12 25 86	7.05	1 18 87	7.05
556	...	"	27.6	7 50	6	7.0	..	11 26 86	6.8	12 21 86	7.05	1 18 87	7.0
557	9	*Tauri*	28.2	+ 6 0	3	6.8	6.8	2 15 82	6.8	11 28 86	6.75	2 13 87	6.8
558	103	*Eridani*	28.3	−22 3	9	3.95	4.5	2 6 82	4.1	2 22 86	3.7	2 24 86	3.95
559	104	"	28.6	10 17	4	6.4	6.3	3 7 82	6.4	2 22 86	6.4	12 25 86	6.4
560	97	*Fornacis*	29.5	26 0	4	6.5	6.5	1 10 85	6.4	11 19 86	6.5	2 3 88	6.5
561	105	*Eridani*	29.8	5 33	5	6.85	6.7	2 15 82	7.0	11 26 86	6.7	12 25 86	6.9
562	106	"	30.0	11 37	4	5.9	5.8	3 7 82	5.95	2 22 86	5.8	1 18 87	6.05
563	10	*Tauri*	30.4	+ 0 11	5	6.5	6.5	2 15 82	6.3	11 27 86	6.6	2 13 87	6.5
564	11	"	30.5	0 1	4	4.4	4.5	2 15 82	4.4	2 22 86	4.4	2 24 86	4.4
565	107	*Eridani*	30.6	−17 53	4	5.2	5.3	1 10 85	5.15	2 22 86	5.2	2 23 86	5.25
566	108	"	32.0	15 54	3	7.0	7.0	1 10 85	7.0	12 25 86	7.05	12 25 88	7.0
567	...	*Tauri*	32.2	+ 2 19	4	7.4	7.4	2 15 82	7.15	2 13 87	7.35	2 6 88	7.55
568	109	*Eridani*	32.4	− 7 48	7	6.1	6.1	1 10 85	6.45	1 18 85	5.8	11 26 86	6.1
569	12	*Tauri*	32.4	+ 2 21	3	7.15	7.0	2 15 82	7.15	2 13 87	7.15	12 28 88	7.2
570	111	*Eridani*	32.8	− 6 2	4	6.4	6.4	2 15 82	6.5	11 26 86	6.45	12 25 88	6.35
571	112	"	33.4	3 48	6	6.65	6.6	2 15 82	6.9	11 27 86	6.65	12 25 86	6.55
572	13	*Tauri*	33.4	+ 2 39	3	6.0	6.1	2 15 82	6.0	2 13 87	6.1	1 29 89	5.9
573	113	*Eridani*	33.5	−10 51	3	6.55	6.5	3 7 82	6.6	2 22 86	6.5	12 25 88	6.5
574	101	*Fornacis*	3 33.6	28 21	3	5.85	5.8	1 10 85	5.8	11 19 86	5.9	12 28 88	5.8

No.	U. A. No.	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U. A.	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. *m.*	° ′									
575	14	*Tauri*	3 33.6	− 1 32	3	6.5	6.6	2 15 82	6.5	11 27 86	6.6	12 25 88	6.45
576	...	*Eridani*	33.7	7 11	6	6.9	..	11 26 86	6.7	12 21 86	6.85	1 18 87	6.85
577	15	*Tauri*	33.9	+ 4 43	4	6.95	7.0	2 15 82	6.8	2 13 87	7.05	2 24 87	7.0
578	...	*Eridani*	33.9	−17 46	5	7.0	..	1 10 85	7.0	12 25 86	7.0	2 3 88	6.95
579	114	"	34.4	15 38	4	6.55	6.5	1 10 85	6.6	12 25 86	6.55	12 27 86	6.55
580	...	"	34.0	3 37	4	7.0	..	2 15 82	7.1	11 27 86	7.05	12 25 86	6.9
581	115	"	34.5	5 37	6	5.75	5.8	2 15 82	6.0	11 26 86	5.6	12 25 86	5.8
582	116	"	34.6	20 0	3	7.0	7.0	1 10 85	7.0	11 26 86	7.05	12 25 88	7.0
583	...	"	35.1	19 53	3	7.15	7.2	1 10 85	7.2	11 26 86	7.1	12 25 88	7.1
584	117	"	35.3	12 12	4	6.6	6.7	3 7 82	6.7	2 22 86	6.6	12 25 88	6.45
585	119	"	35.8	19 59	4	6.7	6.8	1 10 85	6.8	11 26 86	6.6	1 27 87	6.75
586	...	"	35.8	14 42	3	7.25	7.4	1 10 85	7.2	1 27 87	7.4	12 25 88	7.2
587	120	"	36.1	14 46	4	6.8	6.8	1 10 85	6.9	12 25 86	6.7	1 27 87	6.9
588	102	*Fornacis*	36.6	25 3	5	6.8	6.7	1 10 85	6.6	11 19 86	6.75	2 3 88	6.75
589	121	*Eridani*	37.3	10 11	5	3.3	3.3	2 6 82	3.3	3 7 82	3.3	2 22 86	3.3
590	122	"	37.6	10 53	4	5.9	5.9	3 7 82	5.95	2 22 86	5.9	12 25 88	5.85
591	123	"	38.2	1 34	5	5.45	5.4	2 15 82	5.5	2 22 86	5.4	2 24 86	5.5
592	125	"	38.5	0 41	5	6.05	5.9	2 15 82	6.0	2 22 86	6.0	11 27 86	6.1
593	16	*Tauri*	38.6	+ 2 14	5	6.8	6.7	2 15 82	6.5	2 13 87	6.9	2 24 87	6.9
594	17	"	39.0	5 39	3	5.6	5.7	2 15 82	5.5	2 13 87	5.65	2 24 87	5.6
595	18	"	39.5	6 25	3	6.5	6.4	2 15 82	6.45	2 13 87	6.5	1 29 89	6.5
596	127	*Eridani*	40.2	−12 30	7	4.9	4.7	3 7 82	4.5	2 22 86	5.1	2 23 86	5.0
597	104	*Fornacis*	40.3	26 18	3	6.9	6.7	1 10 85	6.9	11 19 86	6.95	12 28 88	6.8
598	105	"	41.4	29 44	3	5.8	5.7	1 10 85	5.8	11 19 86	5.9	12 28 88	5.75
599	128	*Eridani*	41.5	23 37	8	4.1	3.9	2 6 82	4.1	3 14 82	3.6	2 22 86	4.2
600	129	"	42.2	0 10	5	6.3	6.4	2 15 82	6.3	2 22 86	6.3	11 27 86	6.35
601	130	"	42.3	24 16	6	5.4	5.5	2 6 82	5.45	3 14 82	5.1	2 22 86	5.6
602	106	*Fornacis*	42.3	30 17	2	6.9	6.9	1 10 85	6.9	11 19 86	6.9	.. .. ..	...
603	107	"	42.3	29 51	4	7.15	7.0	1 10 85	7.2	11 19 86	7.15	1 16 87	7.2
604	108	"	42.7	26 43	3	6.85	6.8	1 10 85	6.9	11 19 86	6.8	12 28 88	6.8
605	109	"	42.9	30 33	3	5.45	5.6	1 10 85	5.5	11 19 86	5.4	2 3 88	5.45
606	131	*Eridani*	43.0	1 50	6	6.75	7.0	2 17 82	6.4	11 27 86	6.85	12 25 86	6.8
607	132	"	43.1	21 17	4	6.35	6.3	3 14 82	6.45	11 26 86	6.4	12 25 88	6.2
608	110	*Fornacis*	43.8	26 25	3	6.85	7.0	1 10 85	6.9	11 19 86	6.8	12 28 88	6.8
609	134	*Eridani*	43.9	1 54	7	6.6	6.9	2 17 82	6.4	11 27 86	6.7	12 25 86	6.55
610	139	"	45.8	1 32	6	6.75	6.2	2 17 82	6.7	2 22 86	6.6	11 27 86	6.8
611	140	"	45.9	1 2	6	6.8	7.0	2 17 82	7.0	2 22 86	6.6	11 27 86	6.85
612	142	"	46.0	21 39	3	6.7	6.7	3 14 82	6.7	11 26 86	6.7	12 25 88	6.7
613	143	"	46.3	5 26	3	6.95	7.0	2 17 82	6.9	11 27 86	7.05	2 3 88	6.9
614	144	"	46.5	5 44	4	5.7	5.7	2 17 82	5.65	11 27 86	5.6	12 25 86	5.8
615	145	"	47.0	7 0	5	6.6	6.7	2 17 82	6.4	11 27 86	6.65	12 27 86	6.55
616	146	"	47.4	22 39	3	6.95	6.9	3 14 82	6.9	11 26 86	7.0	12 25 88	7.0
617	147	"	47.6	18 48	2	6.4	6.3	1 10 85	6.4	11 26 86	6.4	.. .. ..	...
618	148	"	48.0	3 20	4	4.8	4.7	2 17 82	4.7	2 22 86	4.8	2 24 86	4.8
619	149	"	48.4	24 59	8	4.5	4.4	2 6 82	4.5	3 14 82	4.5	2 22 86	4.6
620	150	"	48.6	23 30	4	6.75	6.8	3 14 82	6.65	11 26 86	6.8	1 27 87	6.85
621	152	"	49.4	12 28	5	6.2	6.1	3 7 82	6.0	11 26 86	6.3	12 27 86	6.2
622	154	"	50.6	11 13	5	6.55	6.7	3 7 82	6.45	11 26 86	6.5	1 27 87	6.65
623	155	"	50.6	10 7	4	6.25	6.3	3 7 82	6.1	11 26 86	6.3	12 27 86	6.2
624	...	"	50.6	13 56	3	7.0	..	2 6 88	7.0	1 3 90	7.0	1 23 90	7.0
625	158	"	52.2	13 52	5	2.7	2.8	2 6 82	2.8	3 7 82	2.6	2 22 86	2.7
626	159	"	52.7	5 49	4	6.2	6.2	2 17 82	6.2	11 27 86	6.25	12 25 86	6.15
627	160	"	3 53.6	12 56	5	6.05	6.1	3 7 82	5.95	11 26 86	6.1	12 27 86	6.1

No.	U. A. No	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U. A.	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. m	° ′									
628	161	*Eridani*	3 54.6	−24 22	8	4.4	4.4	2 6 82	4.5	3 14 82	4.1	2 22 86	4.4
629	162	"	55.2	1 54	4	5.2	5.3	2 17 82	5.3	2 22 86	5.2	2 24 86	5.2
630	164	"	56.2	0 37	4	5.7	5.6	2 17 82	5.8	2 22 86	5.7	2 24 86	5.7
631	166 167	"	57.9	20 29	5	6.1	6.0 6.9	3 13 82	6.2	11 26 86	6.15	1 27 87	6.1
632	168	"	58.5	16 56	3	6.8	6.7	1 10 85	6.8	11 26 86	6.75	12 25 88	6.85
633	169	"	58.5	13 8	3	5.9	6.0	3 7 82	5.95	11 26 86	5.95	12 25 88	5.85
634	171	"	59.2	20 43	3	6.3	6.1	3 13 82	6.3	11 26 86	6.25	12 25 88	6.3
635	172	"	3 59.9	9 12	4	6.35	6.3	3 7 82	6.2	12 27 86	6.4	1 18 87	6.35
636	173	"	4 0.3	20 51	3	6.45	6.4	3 13 82	6.5	11 26 86	6.4	12 25 88	6.5
637	174	"	0.5	28 0	4	5.85	5.8	2 6 82	6.0	11 26 86	5.8	1 18 87	5.7
638	176	"	1.0	18 23	4	6.85	7.0	1 10 85	6.8	11 26 86	6.75	2 6 88	6.9
639	177	"	1.1	10 20	5	6.95	7.0	3 7 82	7.1	12 27 86	6.8	1 18 87	6.95
640	178	"	1.3	10 6	4	6.9	6.9	3 7 82	6.95	12 27 86	6.8	1 18 87	6.95
641	179	"	1.4	6 21	6	7.05	7.0	2 17 82	7.0	3 7 82	7.1	12 27 86	7.1
642	...	"	1.6	22 19	3	6.6	..	3 13 82	6.5	11 26 86	6.65	11 27 87	6.65
643	181	"	3.6	16 43	4	5.5	5.5	1 10 85	5.6	11 26 86	5.45	1 18 87	5.55
644	...	"	3.6	3 54	2	6.8	..	1 3 90	6.8	1 23 90	6.8	.. .. ..	...
645	182	"	3.6	8 14	6	7.1	7.0	3 7 82	6.95	12 27 86	7.0	1 29 89	7.2
646	...	"	3.3	8 16	3	7.2	7.1	3 7 82	7.2	12 27 86	7.2	1 23 90	7.2
647	183	"	4.3	7 15	5	5.85	5.9	3 7 82	5.65	2 24 86	5.8	11 27 86	6.0
648	184	"	4.8	9 9	4	6.05	6.0	3 7 82	5.85	12 27 86	6.0	1 18 87	6.2
649	185	"	5.8	7 10	5	4.15	4.0	3 7 82	4.2	2 22 86	4.4	2 24 86	4.2
650	186	"	5.9	9 10	3	6.65	6.7	3 7 82	6.7	12 27 86	6.6	1 29 89	6.6
651	187	"	6.1	20 41	4	5.75	5.6	3 13 82	5.6	11 26 86	5.75	1 18 87	5.8
652	189	"	6.4	17 36	4	6.7	6.5	1 10 85	6.8	11 26 86	6.75	2 6 88	6.65
653	190	"	7.3	1 28	3	6.75	7.0	2 17 82	6.8	1 18 87	6.8	1 29 89	6.7
654	191	"	7.5	24 9	4	6.7	6.8	3 13 82	6.7	11 26 86	6.7	1 27 87	6.7
655	192	"	7.7	23 27	4	6.7	6.6	3 13 82	6.7	11 26 86	6.65	1 27 87	6.7
656	194	"	8.5	10 34	7	5.15	5.2	3 7 82	5.15	2 22 86	4.95	2 24 86	5.4
657	195	"	9.3	16 30	5	7.0	6.9	1 10 85	6.9	11 26 86	7.1	1 27 87	7.05
658	197	"	9.5	7 51	4	4.65	4.4	3 7 82	4.65	2 22 86	4.7	2 24 86	4.7
659	198	"	9.8	16 46	3	6.85	6.8	1 10 85	6.8	11 26 86	6.9	12 25 88	6.85
660	199	"	10.4	23 33	4	6.65	6.7	3 13 82	6.7	11 26 86	6.6	1 27 87	6.7
661	200	"	10.5	22 28	4	6.8	6.7	3 13 82	6.8	11 26 86	6.75	1 27 87	6.7
662	202	"	10.2	6 47	5	6.4	6.3	3 7 82	6.2	2 24 86	6.4	12 27 86	6.5
663	203	"	12.8	21 1	5	6.35	6.4	3 13 82	6.2	11 26 86	6.3	1 27 87	6.35
664	205	"	13.3	23 17	4	6.2	6.2	3 13 82	6.0	11 26 86	6.3	1 27 87	6.25
665	206	"	13.5	8 25	3	6.95	7.0	3 7 82	6.95	12 27 86	6.9	2 6 88	7.0
666	208	"	14.5	16 44	5	6.75	7.0	1 10 85	6.8	11 26 86	6.65	1 27 87	6.7
667	209	"	14.5	6 33	4	6.6	6.7	3 7 82	6.5	2 24 86	6.7	12 27 86	6.6
668	210	"	14.7	7 54	4	6.05	6.0	3 7 82	5.85	2 24 86	6.1	12 27 86	6.05
669	211	"	15.1	0 23	5	6.4	6.4	2 17 82	6.5	1 27 87	6.45	2 13 87	6.35
670	212	"	15.2	20 56	3	5.4	5.4	3 13 82	5.4	11 26 86	5.35	2 6 88	5.4
671	213	"	15.5	6 35	7	6.65	6.8	3 7 82	6.85	2 24 86	6.7	12 27 86	6.5
672	214	"	16.3	26 1	6	6.1	6.2	3 14 82	5.85	11 26 86	6.2	1 27 87	6.2
673	215	"	17.5	4 2	3	5.5	5.6	2 17 82	5.55	1 27 87	5.5	2 1 89	5.5
674	216	"	17.9	25 11	6	6.3	6.1	3 14 82	6.0	11 26 86	6.3	1 27 87	6.4
675	52	*Tauri*	20.5	+ 1 48	2	6.5	6.5	2 17 82	6.5	2 13 87	6.5	.. .. ..	...
676	221	*Eridani*	21.3	−18 56	5	7.15	7.0	3 14 82	7.3	1 19 87	7.0	1 27 87	7.1
677	53	*Tauri*	21.6	+ 1 35	2	6.5	6.5	2 17 82	6.5	2 13 87	6.5	.. .. ..	...
678	222	*Eridani*	21.7	−24 22	6	6.15	6.2	3 14 82	5.85	11 26 86	6.2	1 27 87	6.2
679	54	*Tauri*	4 22.1	+ 1 6	3	5.95	5.8	2 17 82	6.0	1 27 87	5.9	2 13 87	5.9

No.	U. A. No.	Name	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U. A.	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. *m.*	° ′									
680	224	*Eridani*	4 22.4	−15 28	3	6.95	7.0	1 19 87	6.9	1 27 87	7.0	2 1 89	6.95
681	225	"	22.5	21 47	5	6.95	6.9	3 14 82	7.15	11 26 86	6.9	1 27 87	6.9
682	227	"	23.1	19 44	3	6.3	6.4	3 14 82	6.3	1 19 87	6.3	2 1 89	6.3
683	228	"	23.3	13 20	5	5.5	5.7	3 7 82	5.5	2 24 86	5.5	1 19 87	5.3
684	229	"	24.4	13 52	2	6.7	6.7	3 7 82	6.7	1 19 87	6.7	.. .. ..	...
685	230	"	25.3	23 18	6	6.9	6.8	3 14 82	7.15	11 26 86	6.9	1 27 87	6.75
686	231	"	25.5	0 19	4	5.4	5.4	2 17 82	5.3	1 27 87	5.5	2 13 87	5.3
687	232	"	25.7	13 55	3	6.45	6.6	3 7 82	6.45	1 19 87	6.5	2 1 89	6.4
688	234	"	26.4	3 29	2	6.1	6.0	2 27 86	6.1	1 21 87	6.1	.. .. ..	...
689	235	"	27.3	12 49	4	7.05	6.9	3 7 82	6.9	1 19 87	7.05	2 6 88	7.1
690	236	"	27.5	11 3	5	6.25	6.3	3 7 82	6.45	1 19 87	6.2	1 27 87	6.3
691	237	"	27.5	7 15	3	6.9	7.0	3 7 82	6.9	1 19 87	6.95	1 27 87	6.9
692	238	"	27.6	8 31	3	6.85	6.8	3 7 82	6.9	1 19 87	6.8	1 27 87	6.9
693	239	"	27.8	7 0	6	5.8	5.7	3 7 82	6.0	2 24 86	5.6	1 19 87	5.9
694	240	"	28.2	7 6	5	6.4	6.2	3 7 82	6.2	1 19 87	6.55	1 27 87	6.5
695	241	"	28.2	8 30	5	5.45	5.4	3 7 82	5.3	2 24 86	5.6	1 19 87	5.5
696	242	"	28.2	9 14	4	5.55	5.5	3 7 82	5.5	2 24 86	5.55	1 19 87	5.6
697	244	"	29.1	28 43	3	6.95	6.9	3 13 82	6.95	1 19 87	6.9	1 27 87	6.95
698	245	"	29.3	10 0	4	6.35	6.4	3 7 82	6.45	1 19 87	6.2	1 27 87	6.3
699	246	"	29.4	24 18	5	6.75	6.7	3 14 82	6.9	11 26 86	6.65	1 27 87	6.75
700	247	"	29.5	20 11	4	6.55	6.6	3 14 82	6.6	1 19 87	6.4	1 27 87	6.6
701	248	"	29.8	3 52	3	6.65	6.5	2 27 86	6.7	1 21 87	6.6	2 1 89	6.6
702	249	"	30.1	24 48	6	6.9	6.9	3 14 82	7.15	11 26 86	6.9	1 27 87	6.9
703	250	"	30.1	3 37	4	3.85	3.8	3 13 82	3.8	2 22 86	3.9	2 24 86	3.8
704	252	"	31.3	2 43	2	5.7	5.8	2 27 86	5.7	1 21 87	5.7	.. .. ..	...
705	...	"	32.2	13 17	3	6.95	..	2 6 88	7.0	2 9 88	6.95	1 29 89	6.9
706	253	"	32.0	30 58	4	6.5	6.3	3 13 82	6.4	1 19 87	6.5	1 27 87	6.6
707	254	"	32.5	14 33	3	3.8	4.1	3 13 82	3.85	2 24 86	3.8	2 28 86	3.8
708	255	"	33.1	12 22	4	5.3	5.2	3 13 82	5.2	2 24 86	5.4	1 27 87	5.4
709	256	"	33.4	1 18	4	6.65	6.6	2 27 86	6.75	1 21 87	6.6	2 25 87	6.75
710	257	"	33.6	14 36	4	5.65	5.6	3 13 82	5.6	2 24 86	5.5	1 19 87	5.7
711	258	"	34.9	24 44	6	5.75	6.0	3 14 82	5.55	11 26 86	5.8	1 27 87	5.8
712	259	"	35.0	19 55	6	4.8	4.6	3 13 82	4.5	2 24 86	4.75	2 12 87	5.1
713	260	"	35.9	12 43	2	6.8	6.8	3 13 82	6.8	1 19 87	6.8	.. .. ..	...
714	261	"	36.0	1 10	2	7.0	7.0	2 27 86	7.0	1 21 87	7.0	.. .. ..	...
715	262	"	37.6	9 2	7	6.35	6.4	3 13 82	6.9	1 27 87	6.4	2 12 87	6.3
716	263	"	38.1	8 44	6	6.1	5.8	3 13 82	6.5	1 27 87	6.0	2 12 87	5.95
717	12	*Cæli*	38.3	31 0	3	6.25	6.2	3 13 82	6.2	1 19 87	6.3	1 27 87	6.3
718	264	*Eridani*	38.6	18 54	6	5.55	5.7	3 13 82	5.7	2 24 86	5.55	1 19 87	5.8
719	265	"	39.2	27 49	3	6.95	7.0	3 13 82	6.95	1 19 87	7.0	1 27 87	6.95
720	266	"	39.3	3 29	5	3.95	4.0	3 13 82	4.05	2 22 86	4.0	2 24 86	3.8
721	267	"	39.7	21 31	3	6.2	6.1	3 13 82	6.2	1 19 87	6.1	2 1 89	6.3
722	1	*Orionis*	40.2	3 11	5	6.7	6.8	3 17 82	6.6	2 27 86	6.5	2 14 87	6.7
723	268	*Eridani*	41.4	28 19	3	6.3	6.4	3 13 82	6.3	1 19 87	6.3	1 27 87	6.3
724	269	"	42.0	17 10	6	5.7	5.7	3 13 82	5.7	2 24 86	5.7	11 26 86	5.4
725	270	"	42.4	5 53	5	6.2	6.3	3 13 82	6.1	2 28 86	6.1	1 21 87	6.3
726	271	"	42.9	16 33	4	6.0	5.8	3 13 82	6.2	2 24 86	5.9	11 26 86	6.0
727	6	*Orionis*	43.0	+ 6 45	2	3.2	3.1	2 28 86	3.25	2 14 87	3.15	.. .. ..	...
728	16	*Cæli*	43.0	−30 15	4	6.6	6.7	3 13 82	6.7	1 19 87	6.5	1 27 86	6.6
729	272	*Eridani*	44.0	13 59	2	6.5	6.5	3 13 82	6.5	1 27 87	6.5	.. .. ..	...
730	273	"	44.5	16 1	4	7.0	7.0	3 13 82	7.0	11 26 86	6.8	2 9 88	7.0
731	274	"	44.6	16 26	6	5.25	5.0	3 13 82	5.2	2 24 86	5.25	11 26 86	4.95
732	9	*Orionis*	4 44.6	+ 5 23	2	3.6	3.7	2 28 86	3.65	2 14 87	3.6	.. .. ..	...

No.	U. A. No.	Name.	1875. R. A.	1875. Decl.	No. Obs	Mag. Mean Obs'd.	Mag. U. A.	Separate Observations Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. m.	° ′									
733	275	*Eridani*	4 46.0	−25 31	5	7.2	6.9	3 14 82	7.3	1 27 87	7.3	2 12 87	7.3
734	276	"	46.8	5 40	7	4.65	4.7	3 13 82	4.7	2 22 86	4.3	2 24 86	4.5
735	277	"	47.8	20 59	2	6.9	6.9	3 13 82	6.9	1 19 87	6.9	.. .. ..	...
736	13	*Orionis*	47.8	+ 2 14	2	3.55	3.7	2 28 86	3.55	2 14 87	3.55	.. .. ..	...
737	16	"	48.2	− 3 26	3	6.8	6.9	3 17 82	6.85	1 21 87	6.75	2 14 87	6.8
738	278	*Eridani*	49.5	16 57	5	6.15	5.7	3 13 82	6.1	2 24 86	6.05	11 26 86	6.25
739	279	"	49.7	16 37	5	6.15	var.	3 13 82	6.1	2 24 86	6.05	11 26 86	6.35
740	280	"	50.3	5 22	4	5.9	5.9	3 13 82	5.8	2 28 86	5.85	1 21 87	5.95
741	1	*Leporis*	50.4	25 56	6	6.7	6.7	3 14 82	7.15	2 12 87	6.6	2 19 87	6.5
742	20	*Orionis*	51.0	1 16	4	6.7	6.5	3 17 82	6.7	1 21 87	6.65	2 6 88	6.85
743	21	"	51.9	2 25	3	6.65	6.7	3 17 82	6.6	1 21 87	6.6	2 1 89	6.7
744	281	*Eridani*	52.0	14 26	3	6.25	6.3	3 13 82	6.2	1 21 87	6.3	2 1 89	6.25
745	2	*Leporis*	52.6	16 58	3	6.75	6.9	3 13 82	6.75	11 26 86	6.8	2 1 89	6.7
746	3	"	53.4	16 34	4	5.95	6.0	3 13 82	6.1	2 24 86	5.9	11 26 86	5.8
747	4	"	53.9	15 0	1	7.4	var.	3 13 82	7.4	.. .. ..	..	.. .. ..	...
748	282	*Eridani*	53.9	10 27	4	5.95	6.0	3 13 82	6.1	1 27 87	5.8	2 12 87	5.9
749	283	"	54.1	12 43	6	5.2	var.	2 22 86	5.0	2 24 86	5.0	2 28 86	5.3
750	25	*Orionis*	54.4	2 15	4	6.7	6.7	3 17 82	6.7	1 21 87	6.65	2 13 88	6.75
751	284	*Eridani*	54.6	5 54	5	6.7	6.7	3 13 82	6.5	1 27 87	6.75	2 12 87	6.7
752	26	*Orionis*	55.1	0 53	4	6.9	6.9	3 17 82	7.0	1 21 87	6.9	3 22 89	6.9
753	285	*Eridani*	55.4	7 22	4	5.15	5.3	3 13 82	5.2	2 24 86	5.0	2 12 87	5.2
754	286	"	55.9	5 41	4	6.8	6.8	3 13 82	6.7	1 27 87	6.75	2 1 89	6.8
755	5	*Leporis*	56.0	20 14	6	5.2	5.5	3 13 82	5.45	2 6 82	5.1	2 24 86	5.1
756	287	*Eridani*	56.6	4 24	3	6.5	6.6	3 13 82	6.5	1 27 87	6.6	2 12 87	6.45
757	6	*Leporis*	57.1	26 27	8	5.45	5.4	2 6 82	5.1	3 13 82	5.2	2 28 86	5.4
758	30	*Orionis*	57.4	2 43	3	7.0	6.9	3 17 82	7.0	1 21 87	7.0	2 1 89	6.95
759	7	*Leporis*	57.5	22 59	3	6.2	6.1	3 13 82	6.1	2 12 87	6.3	2 19 87	6.25
760	8	"	58.2	14 33	3	6.55	6.6	3 13 82	6.5	1 21 87	6.55	2 1 89	6.55
761	9	"	58.2	14 44	4	7.0	7.0	3 13 82	7.1	1 21 87	6.9	2 19 87	7.05
762	10	"	58.7	24 34	3	5.9	5.9	3 13 82	5.9	2 28 86	6.0	2 12 87	5.8
763	31	*Orionis*	58.7	3 13	5	6.4	6.5	3 17 82	6.3	2 28 86	6.4	1 21 87	6.4
764	11	*Leporis*	4 59.4	20 25	4	7.15	7.0	3 13 82	7.05	1 19 87	7.1	2 19 87	7.2
765	12	"	5 0.2	22 32	8	3.35	3.1	2 6 82	3.3	3 14 82	3.3	2 22 86	3.3
766	13	"	0.2	26 19	3	6.1	6.1	3 13 82	6.1	2 28 86	6.0	2 2 89	6.2
767	288	*Eridani*	0.6	4 50	4	5.55	5.6	3 13 82	5.45	2 28 86	5.6	2 25 87	5.65
768	14	*Leporis*	0.8	13 18	4	6.15	6.3	3 13 82	6.2	2 19 87	6.15	2 24 87	6.1
769	289	*Eridani*	1.5	8 49	4	6.95	6.9	3 13 82	6.9	2 12 87	7.0	2 6 88	6.85
770	290	"	1.7	5 15	3	2.8	2.8	2 6 82	2.8	2 22 86	2.9	2 14 87	2.75
771	16	*Leporis*	1.6	12 39	3	6.3	6.3	3 13 82	6.4	2 19 87	6.2	2 22 87	6.35
772	15	"	1.7	19 34	5	6.7	6.6	3 13 82	6.55	1 19 87	6.6	2 2 89	6.7
773	18	"	1.6	17 28	4	7.1	7.0	3 13 82	7.05	2 12 87	7.15	2 19 87	7.05
774	17	"	2.0	12 45	2	6.8	6.8	3 13 82	6.8	2 19 87	6.8	.. .. ..	...
775	...	"	2.2	17 27	3	7.3	7.3	3 13 82	7.2	2 12 87	7.4	2 13 88	7.3
776	291	*Eridani*	2.4	8 50	3	6.5	6.5	3 13 82	6.5	1 27 87	6.45	2 2 89	6.5
777	292	"	2.5	4 37	5	5.7	5.6	3 13 82	5.45	2 28 86	5.8	1 27 87	5.7
778	19	*Leporis*	2.6	15 16	2	6.8	6.7	3 13 82	6.8	1 21 87	6.8	.. .. ..	...
779	293	*Eridani*	3.2	8 55	10	4.35	4.6	2 6 82	4.8	3 13 82	4.6	2 22 86	4.3
780	39	*Orionis*	3.2	2 18	3	6.9	6.8	3 17 82	6.85	1 21 87	6.95	2 14 87	6.9
781	40	"	3.7	0 43	3	6.6	6.5	3 17 82	6.55	2 28 86	6.6	2 1 89	6.6
782	41	"	4.7	2 24	3	6.65	6.6	3 17 82	6.7	1 21 87	6.65	2 1 89	6.65
783	...	*Leporis*	4.7	11 48	4	7.25	7.4	3 13 82	7.15	2 19 87	7.3	2 24 87	7.3
784	42	*Orionis*	5.0	2 39	4	6.4	6.3	3 17 82	6.4	2 28 86	6.4	1 21 87	6.4
785	20	*Leporis*	5 5.6	12 0	5	6.3	6.0	3 13 82	6.0	2 19 87	6.35	2 14 87	6.35

No.	U. A. No.	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U. A.	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. *m.*	° ′									
786	22	*Leporis*	5 5.7	−26 4	4	6.55	6.6	3 13 82	6.5	1 21 87	6.7	2 19 87	6.5
787	21	"	6.5	12 1	4	4.5	4.4	2 6 82	4.6	3 14 82	4.4	2 22 86	4.5
788	45	*Orionis*	6.7	6 12	3	6.7	6.6	3 14 82	6.65	2 13 87	6.75	2 14 87	6.65
789	23	*Leporis*	7.3	16 21	6	3.1	3.4	2 6 82	3.0	3 14 82	3.2	2 22 86	3.1
790	24	"	7.5	13 6	6	4.35	4.2	2 6 82	4.5	3 14 82	4.2	2 22 86	4.4
791	49	*Orionis*	7.6	8 18	3	6.85	6.8	3 13 82	6.8	3 22 89	6.85	3 23 89	6.85
792	5	*Columbæ*	7.9	27 20	3	6.8	6.7	3 13 82	6.8	1 21 87	6.7	2 2 89	6.85
793	25	*Leporis*	8.3	14 45	3	6.55	6.5	3 13 82	6.6	1 21 87	6.55	2 2 89	6.55
794	50	*Orionis*	8.5	8 21	2	1.0	1.0	2 28 86	1.0	2 14 87	1.0	.. .. ..	...
795	52	"	9.0	1 33	3	6.6	6.5	3 17 82	6.55	2 28 86	6.6	2 1 89	6.6
796	26	*Leporis*	9.5	26 21	2	7.0	7.0	3 13 82	7.0	1 21 87	7.0	.. .. ..	...
797	27	"	10.3	11 30	5	6.85	6.7	3 13 82	6.9	2 19 87	6.7	2 24 87	6.8
798	7	*Columbæ*	10.3	28 29	2	6.8	7.0	3 13 82	6.8	1 21 87	6.8	.. .. ..	...
799	28	*Leporis*	10.4	27 5	6	5.2	5.4	2 6 82	5.1	3 13 82	5.55	2 28 86	5.1
800	29	"	10.5	23 2	3	6.95	6.9	3 13 82	7.0	2 12 87	6.9	2 2 89	6.9
801	30	"	11.3	17 17	3	6.65	6.7	3 13 82	6.6	2 28 86	6.6	1 21 87	6.7
802	54	*Orionis*	11.5	6 59	3	3.85	3.9	2 6 82	3.8	2 22 86	3.9	3 7 86	3.8
803	31	*Leporis*	11.9	17 55	3	6.8	7.0	3 13 82	6.75	2 28 86	6.8	1 21 87	6.8
804	32	"	11.9	15 21	3	6.8	6.8	3 13 82	6.8	1 21 87	6.85	2 2 89	6.8
805	33	"	11.9	13 39	4	6.05	6.0	3 13 82	5.95	2 19 87	6.0	2 2 89	6.2
806	34	"	13.3	18 16	4	6.3	6.4	3 13 82	6.3	2 28 86	6.4	1 21 87	6.4
807	56	*Orionis*	13.3	1 33	3	6.55	6.7	3 17 82	6.55	2 28 86	6.6	2 1 89	6.5
808	35	*Leporis*	13.8	18 39	4	6.0	6.1	3 13 82	6.0	2 28 86	6.1	1 21 87	6.1
809	36	"	13.8	13 18	6	4.25	4.1	2 6 82	4.5	3 14 82	4.1	2 22 86	4.2
810	37	"	14.2	12 27	4	5.85	5.7	3 13 82	5.8	2 22 86	5.85	2 24 86	5.8
811	58	*Orionis*	14.3	5 30	3	6.7	6.7	3 14 82	6.65	2 13 87	6.75	2 14 87	6.7
812	12	*Columbæ*	14.4	27 30	4	6.0	6.1	3 14 82	6.0	2 28 86	6.0	1 21 87	6.0
813	38	*Leporis*	15.1	21 22	4	4.95	4.9	2 6 82	5.0	3 13 82	5.1	2 24 86	4.75
814	60	*Orionis*	15.2	0 33	3	6.6	6.7	3 15 82	6.6	2 13 87	6.65	2 1 89	6.55
815	61	"	15.4	0 30	4	5.15	5.1	3 15 82	5.05	2 28 86	5.1	2 22 87	5.2
816	39	*Leporis*	16.1	13 53	4	6.9	6.9	3 13 82	6.8	2 13 87	6.9	2 19 87	6.9
817	40	"	16.4	17 44	4	6.8	6.6	3 13 82	6.75	2 28 86	6.8	1 21 87	6.9
818	41–2	"	16.6	24 54	3	5.4	5.4	3 13 82	5.55	2 28 86	5.3	2 12 87	5.4
819	64	*Orionis*	17.3	0 17	4	6.25	6.2	3 15 82	6.4	2 28 86	6.25	2 22 87	6.2
820	65	"	17.3	8 32	2	6.6	6.6	3 14 82	6.6	2 13 87	6.6	.. .. ..	...
821	66	"	17.5	0 59	4	6.85	6.9	3 15 82	6.9	2 13 87	6.7	2 22 87	6.75
822	43	*Leporis*	17.8	14 3	5	5.6	5.7	3 13 82	5.5	2 22 86	5.55	2 24 86	5.6
823	68	*Orionis*	17.9	7 55	4	4.6	4.4	2 6 82	4.4	2 22 86	4.7	3 7 86	4.7
824	67	"	18.1	1 1	3	5.65	5.6	3 15 82	5.65	2 28 86	5.6	2 14 87	5.7
825	44	*Leporis*	18.2	26 50	3	6.5	6.5	3 13 82	6.5	1 21 87	6.6	2 2 89	6.45
826	70	*Orionis*	18.2	2 31	4	3.4	3.4	2 6 82	3.3	2 22 86	3.4	1 3 89	3.55
827	72	"	18.4	+ 6 14	2	1.7	1.7	2 6 82	1.8	2 28 86	1.6	.. .. ..	...
828	45	*Leporis*	18.9	−17 5	3	6.0	5.9	3 13 82	6.1	2 28 86	5.95	1 21 87	6.0
829	73	*Orionis*	19.1	10 27	2	6.5	6.4	3 14 82	6.5	2 22 87	6.5	.. .. ..	...
830	46	*Leporis*	19.6	12 40	6	6.9	6.9	3 13 82	6.8	2 13 87	6.9	2 19 87	6.95
831	75	*Orionis*	19.9	5 38	4	6.55	6.6	3 14 82	6.7	2 13 87	6.65	3 23 89	6.45
832	47	*Leporis*	20.6	19 48	3	6.15	6.2	3 13 82	6.1	1 21 87	6.15	2 2 89	6.15
833	48	"	21.3	12 0	3	6.6	6.6	3 13 82	6.6	3 14 82	6.6	2 13 87	6.65
834	49	"	22.3	21 29	3	6.6	6.5	3 13 82	6.6	2 12 87	6.55	2 2 89	6.6
835	50	"	22.4	26 41	2	7.0	6.9	3 13 82	7.0	1 21 87	7.0	.. .. ..	...
836	...	*Orionis*	22.7	3 24	3	6.9	..	2 13 87	6.9	2 13 88	6.85	2 29 88	7.0
837	51	*Leporis*	22.9	20 52	6	2.95	2.9	2 6 82	2.7	3 14 82	3.0	2 22 86	3.0
838	79	*Orionis*	5 23.2	3 33	4	6.5	6.5	3 17 82	6.4	2 13 87	6.6	2 14 87	6.45

No.	U. A. No.	Name.	1875. R. A.	1875. Decl.	No. Obs	Mag. Mean Obs'd.	Mag. U. A.	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. m.	° ′									
839	80	*Orionis*	5 23.4	− 7 22	4	6.9	6.8	3 14 82	6.8	2 13 87	6.85	3 22 89	6.95
840	81	"	23.4	1 12	9	5.7	var.	3 15 82	5.3	2 28 86	5.7	2 13 87	5.9
841	85	"	24.3	7 32	3	6.8	6.9	3 14 82	6.7	2 13 87	6.85	2 14 87	6.8
842	21	*Columbæ*	24.3	30 13	3	6.9	6.9	3 14 82	7.0	2 12 87	6.9	2 2 89	6.8
843	52	*Leporis*	24.4	22 49	3	6.95	7.0	3 13 82	7.0	2 12 87	6.95	2 2 89	6.95
844	87	*Orionis*	25.3	6 48	4	6.8	6.7	3 14 82	6.7	2 13 87	6.75	3 22 89	6.95
845	88	"	25.6	0 24	3	2.3	2.3	2 6 82	2.3	2 22 86	2.25	2 14 87	2.35
846	53	*Leporis*	25.8	20 57	5	5.95	5.9	3 13 82	5.8	2 12 87	6.0	2 19 87	6.0
847	89	*Orionis*	25.9	7 24	3	5.0	5.1	2 6 82	5.1	2 22 86	4.9	3 7 86	5.0
848	90	"	26.2	0 5	9	6.95	6.6	3 17 82	6.65	2 13 87	7.0	2 14 87	7.0
849	91	"	26.4	1 41	4	6.0	6.1	3 15 82	6.0	2 28 86	5.95	2 13 87	6.1
850	92	"	27.2	1 15	6	6.25	6.1	3 15 82	6.1	2 28 86	6.25	2 13 87	6.3
851	54	*Leporis*	27.2	17 55	7	2.7	2.7	2 6 82	2.4	3 14 82	2.85	2 22 86	2.85
852	93	*Orionis*	27.7	1 7	8	6.75	7.0	3 15 82	7.0	2 13 87	6.7	2 14 87	6.7
853	96	"	27.8	1 33	4	6.7	6.5	3 15 82	6.6	2 13 87	6.7	3 23 89	6.8
854	99	"	28.1	0 6	3	7.0	7.0	3 17 82	7.0	2 13 87	7.0	3 24 89	6.95
855	100	"	28.2	4 54	7	7.15	6.8	2 19 82	7.35	2 13 87	7.1	2 14 87	7.2
856	104	"	29.1	5 28	3	5.1	5.0	3 19 82	5.15	2 28 86	5.1	3 23 89	5.1
857	27	*Columbæ*	29.1	29 56	3	6.45	6.6	3 14 82	6.4	2 12 87	6.5	2 13 88	6.45
858	106	*Orionis*	29.2	4 31	3	6.95	6.8	2 19 82	7.0	2 13 87	6.9	3 23 89	6.95
859	...	"	29.2	4 35	5	7.0	7.1	2 19 82	6.85	2 13 87	7.1	2 14 87	7.05
860	109	"	29.2	4 55	5	5.5	5.5	2 19 82	5.5	2 28 86	5.3	2 13 87	5.7
861	105	"	29.3	5 30	5	5.6	5.2	2 19 82	5.5	2 28 86	5.7	2 14 87	5.5
862	107	"	29.3	4 27	3	6.95	6.8	2 19 82	7.0	2 13 87	6.9	3 23 89	6.95
863	108	"	29.3	6 0	4	2.85	2.9	2 6 82	2.8	2 22 86	2.7	3 23 89	2.85
864	110	"	29.5	4 56	3	6.05	6.1	2 19 82	6.0	2 28 86	6.1	2 13 87	6.05
865	111	"	29.4	3 20	33	6.75	6.8	3 17 82	6.65	2 13 87	6.7	2 13 88	6.8
866	55	*Leporis*	29.8	15 49	3	6.85	6.9	3 13 82	6.9	2 12 87	6.9	2 13 88	6.8
867	112	*Orionis*	29.9	1 17	4	1.9	1.8	2 6 82	1.8	2 22 86	1.9	2 14 87	2.0
868	115	"	30.5	6 9	5	6.5	6.6	2 19 82	6.35	2 13 87	6.3	2 14 87	6.5
869	117	"	31.3	6 1	4	6.7	6.8	2 19 82	6.85	2 13 87	6.5	2 14 87	6.75
870	30	*Columbæ*	31.3	28 47	2	6.4	6.5	3 14 82	6.4	2 12 87	6.4	.. .. ..	...
871	56	*Leporis*	31.3	11 51	3	6.45	6.5	3 14 82	6.5	2 13 87	6.45	2 2 89	6.4
872	118	*Orionis*	31.7	4 54	3	6.75	6.7	2 19 82	6.85	2 13 87	6.65	2 14 87	6.75
873	32	*Columbæ*	32.3	27 57	3	6.4	6.4	3 14 82	6.4	2 12 87	6.35	2 2 89	6.5
874	119	*Orionis*	32.5	2 40	3	4.05	4.0	2 6 82	4.0	2 22 86	4.1	3 23 89	4.1
875	120	"	32.6	6 39	6	6.4	6.6	2 19 82	6.0	2 13 87	6.45	2 22 87	6.4
876	122	"	32.8	7 17	4	5.2	5.2	2 6 82	5.1	2 22 86	5.2	3 7 86	5.35
877	34	*Columbæ*	32.9	28 46	5	5.55	5.3	3 14 82	5.4	2 28 86	5.8	2 12 87	5.6
878	35	"	33.1	27 17	3	6.9	6.8	3 14 82	7.0	2 12 87	6.8	2 13 88	6.9
879	123	*Orionis*	33.3	3 38	5	6.6	6.7	3 17 82	6.5	2 28 86	6.7	2 13 87	6.7
880	124	"	33.6	9 47	2	6.7	6.7	3 14 82	6.7	2 13 87	6.7	.. .. ..	...
881	57	*Leporis*	33.8	17 55	3	6.35	6.4	3 13 82	6.3	2 12 87	6.4	2 13 88	6.3
882	125	*Orionis*	34.4	2 54	2	6.8	6.8	3 17 82	6.8	2 13 87	6.8	.. .. ..	...
883	126	"	34.5	2 1	4	1.8	1.8	2 6 82	1.8	2 22 86	1.8	2 28 86	1.85
884	127	"	34.5	1 12	8	5.6	5.7	3 17 82	6.0	2 28 86	5.3	2 13 87	5.55
885	129	"	34.9	10 29	5	6.55	6.6	3 14 82	6.4	2 13 87	6.55	2 14 87	6.6
886	58	*Leporis*	35.3	20 22	3	6.85	6.7	3 13 82	6.8	2 19 87	6.85	2 2 89	6.85
887	130	*Orionis*	35.4	2 58	2	6.8	6.7	3 17 82	6.8	2 13 87	6.8	.. .. ..	...
888	59	*Leporis*	36.1	16 47	4	6.5	6.5	3 13 82	6.6	2 12 87	6.4	2 19 87	6.4
889	60	"	36.7	17 36	4	6.7	6.7	3 13 82	6.65	2 12 87	6.75	2 19 87	6.75
890	133	*Orionis*	36.8	1 40	3	6.9	6.8	3 17 82	6.9	2 13 87	6.85	3 22 89	7.0
891	134	"	5 36.8	6 52	8	6.45	6.4	3 19 82	6.0	2 13 87	6.6	2 14 87	6.6

No.	U. A No.	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U A.	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. *m.*	° ′									
892	61	*Leporis*	5 37.0	−22 26	4	6.3	6.4	3 13 82	6.3	2 19 87	6.25	2 13 88	6.4
893	41	*Columbæ*	37.4	30 36	3	6.35	6.4	3 14 82	6.3	2 13 87	6.4	2 13 88	6.4
894	62	*Leporis*	37.9	18 37	3	6.1	6.0	3 13 82	6.1	2 12 87	6.1	2 13 88	6.05
895	63	"	39.1	20 11	3	6.75	6.7	3 13 82	6.8	2 19 87	6.7	2 2 89	6.75
896	64	"	39.3	22 29	7	3.55	3.5	2 6 82	3.8	3 14 82	3.4	2 22 86	3.4
897	65	"	39.5	21 43	3	6.95	7.0	3 13 82	6.9	2 19 87	7.0	2 2 89	6.9
898	136	*Orionis*	39.9	4 19	4	6.8	6.8	3 19 82	6.8	2 13 87	6.85	2 14 87	6.8
899	44	*Columbæ*	40.5	31 43	3	6.85	6.8	3 14 82	6.8	2 13 87	6.9	2 2 89	6.85
900	66	*Leporis*	41.3	14 52	5	3.5	3.6	2 6 82	3.3	3 14 82	3.6	2 19 87	3.6
901	67	"	41.5	16 17	4	6.6	6.6	3 14 82	6.5	2 12 87	6.6	2 13 88	6.7
902	140	*Orionis*	41.6	10 35	3	6.5	6.6	3 14 82	6.4	2 13 87	6.6	2 14 87	6.5
903	141	"	41.8	9 43	4	2.2	2.3	2 6 82	2.1	2 14 87	2.25	3 13 87	2.3
904	...	"	42.2	8 26	4	7.1	7.0	3 14 82	6.9	2 13 87	7.1	2 22 87	7.1
905	46	*Columbæ*	42.2	28 41	2	6.2	6.2	3 14 82	6.2	2 12 87	6.2	.. .. ..	...
906	142	*Orionis*	42.4	4 8	4	6.4	6.5	3 19 82	6.35	2 13 87	6.4	2 13 88	6.4
907	68	*Leporis*	43.0	14 21	3	6.85	6.8	3 14 82	6.8	2 19 87	6.9	2 2 89	6.9
908	69	"	43.9	14 31	3	5.95	5.8	3 14 82	5.9	2 19 87	5.95	3 1 89	6.0
909	70	"	44.7	23 1	3	6.2	6.2	3 13 82	6.2	2 19 87	6.2	2 2 89	6.2
910	51	*Columbæ*	45.2	30 40	3	6.75	6.8	3 14 82	6.8	2 13 87	6.7	2 2 89	6.75
911	146	*Orionis*	45.3	7 33	5	5.95	5.9	3 14 82	6.2	3 7 86	5.8	2 13 87	5.95
912	71	*Leporis*	45.9	20 53	9	3.9	3.7	2 6 82	4.1	3 14 82	3.6	2 22 86	3.6
913	148	*Orionis*	46.2	9 5	3	6.35	6.4	3 14 82	6.4	2 13 87	6.35	3 23 89	6.35
914	72	*Leporis*	46.3	22 58	3	6.65	6.5	3 13 82	6.6	2 19 87	6.65	2 2 89	6.65
915	...	"	46.4	15 32	4	7.2	7.1	3 14 82	7.1	2 19 87	7.1	1 14 90	7.3
916	54	*Columbæ*	47.2	29 29	4	6.75	6.7	3 14 82	6.8	2 12 87	6.8	2 13 87	6.7
917	151	*Orionis*	48.4	4 5	3	6.8	6.8	3 19 82	6.8	2 13 87	6.85	3 23 89	6.8
918	152	"	48.4	+ 7 23	2	1.2	var.	2 28 86	1.1	2 14 87	1.3	.. .. ..	...
919	73	*Leporis*	48.6	−19 40	3	6.75	6.7	3 13 82	6.8	2 19 87	6.7	2 2 89	6.75
920	74	"	48.9	11 48	3	6.25	6.3	3 14 82	6.2	2 19 87	6.2	3 23 89	6.3
921	153	*Orionis*	49.3	4 51	4	7.45	7.5	3 19 82	7.45	2 13 87	7.45	2 13 88	7.45
922	154	"	49.3	4 38	6	6.0	6.0	3 19 82	5.75	2 13 87	6.05	2 22 87	6.25
923	...	"	49.4	4 49	6	6.65	6.5	3 19 82	7.0	2 13 87	6.6	2 25 87	6.6
924	58	*Columbæ*	49.4	29 10	3	6.5	6.4	3 14 82	6.5	2 12 87	6.5	2 13 87	6.45
925	75	*Leporis*	49.7	26 41	3	6.95	7.0	3 13 82	6.95	2 19 87	7.0	2 2 89	6.9
926	...	"	50.6	21 42	3	7.0	—	2 29 88	7.0	2 2 89	7.0	3 23 89	7.0
927	76	"	50.7	14 12	5	3.75	3.8	2 6 82	4.1	3 14 82	3.8	2 19 87	3.5
928	77	"	50.9	21 9	4	7.0	7.0	3 13 82	6.95	2 19 87	7.0	2 2 89	7.0
929	78	"	51.0	22 52	3	6.45	6.4	3 13 82	6.4	2 19 87	6.5	2 13 88	6.4
930	79	"	51.4	23 14	4	6.7	6.7	3 13 82	6.6	2 19 87	6.8	2 24 87	6.8
931	157	*Orionis*	51.8	1 1	5	6.7	6.6	3 19 82	6.4	3 6 85	6.7	2 13 87	6.8
932	80	*Leporis*	52.1	18 4	4	6.9	6.9	3 13 82	6.95	2 19 87	6.8	2 25 87	6.9
933	1	*Monocerotis*	53.1	9 24	3	6.95	7.0	3 14 82	7.0	2 13 87	6.9	3 23 89	6.9
934	2	"	53.1	9 34	3	5.85	5.7	3 14 82	5.85	2 13 87	5.9	3 23 89	5.85
935	160	*Orionis*	53.3	1 27	5	6.7	6.8	3 19 82	6.55	3 6 85	6.7	2 13 87	6.8
936	161	"	53.8	3 5	7	5.35	5.2	3 17 82	4.9	2 28 86	5.55	2 13 87	5.5
937	81	*Leporis*	54.5	12 54	2	6.5	6.6	3 14 82	6.5	2 19 87	6.5	.. .. ..	...
938	3	*Monocerotis*	56.0	10 36	3	5.4	5.6	3 14 82	5.35	2 13 87	5.45	3 23 89	5.4
939	82	*Leporis*	56.1	25 25	3	6.25	6.3	3 13 82	6.2	2 19 87	6.3	2 2 89	6.2
940	83	"	56.9	14 30	4	6.8	6.7	3 13 82	6.9	2 19 87	6.7	2 24 87	6.7
941	4	*Monocerotis*	58.2	6 42	4	5.7	5.8	3 14 82	5.8	2 28 86	5.65	2 13 87	5.7
942	84	*Leporis*	58.2	26 17	3	5.6	5.5	3 13 82	5.6	2 28 86	5.6	2 19 87	5.55
943	166	*Orionis*	58.4	1 34	3	6.9	6.9	3 19 82	6.9	2 13 87	6.8	3 23 89	6.95
944	85	*Leporis*	5 59.4	16 29	10	5.45	5.5	2 6 82	5.1	3 13 82	5.5	2 27 86	5.5

No.	U. A. No.	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U. A.	Separate Obeervations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. m.	° ′									
945	5	*Monocerotis*	5 59.6	−10 14	3	6.5	6.4	3 14 82	6.5	2 13 87	6.4	3 23 89	6.55
946	86	*Leporis*	6 0.5	14 56	5	5.2	5.2	2 6 82	5.0	3 13 82	5.2	2 27 86	5.3
947	6	*Monocerotis*	0.5	4 11	3	5.75	5.9	3 17 82	5.8	2 28 86	5.8	2 13 87	5.7
948	87	*Leporis*	0.6	24 11	..	var.	6.9	3 13 82	6.95	2 19 87	6.7	2 24 87	6.9
949	167	*Orionis*	0.7	3 20	4	6.95	7.0	3 19 82	7.0	2 13 87	6.85	2 22 87	6.9
950	7	*Monocerotis*	0.9	6 11	3	6.9	7.0	3 14 82	6.9	3 24 84	6.95	2 13 87	6.9
951	88	*Leporis*	1.0	11 10	3	6.95	6.9	3 14 82	7.0	2 13 87	7.0	1 20 90	6.8
952	89-90	"	1.3	23 6	3	5.7	5.8	3 13 82	5.75	2 28 86	5.7	2 19 87	5.7
953	74	*Columbæ*	1.3	29 45	2	5.9	5.9	3 14 82	5.9	2 13 87	5.9	.. .. ..	...
954	91	*Leporis*	1.7	21 48	4	6.35	6.3	3 13 82	6.2	2 19 87	6.35	2 24 87	6.5
955	92	"	2.3	19 9	4	5.95	5.9	3 13 82	5.8	2 19 87	6.1	2 24 87	6.0
956	93	"	2.6	11 8	5	7.0	7.0	3 14 82	7.0	2 13 87	7.05	2 13 88	7.1
957	8	*Monocerotis*	2.7	6 48	3	6.9	6.9	3 14 82	7.0	2 13 87	6.9	3 23 89	6.85
958	9	"	2.8	7 55	4	6.9	6.9	3 14 82	7.0	2 13 87	6.8	2 24 87	6.9
959	10	"	3.1	8 17	5	6.95	6.8	3 14 82	7.0	2 13 87	6.8	2 24 87	7.0
960	11	"	3.5	5 42	2	6.7	6.5	3 14 82	6.7	2 13 87	6.7	.. .. ..	...
961	94	*Leporis*	3.7	22 24	3	5.75	5.8	3 13 82	5.75	2 28 86	5.8	2 19 87	5.75
962	95	"	3.9	18 6	3	6.65	6.7	3 13 82	6.7	2 19 87	6.65	3 23 89	6.65
963	96	"	3.9	14 34	5	6.25	6.0	3 13 82	6.05	2 19 87	6.2	2 24 87	6.3
964	97	"	4.6	22 45	4	5.95	5.9	3 13 82	5.9	2 28 86	5.9	2 19 87	6.05
965	98	"	4.6	15 2	5	7.0	7.0	3 13 82	7.1	2 19 87	7.05	2 13 88	6.9
966	99	"	4.8	26 41	2	6.6	6.6	3 13 82	6.6	2 19 87	6.6	.. .. ..	...
967	12	*Monocerotis*	5.0	6 44	3	6.65	6.7	3 14 82	6.55	2 13 87	6.75	2 19 87	6.6
968	100	*Leporis*	5.6	27 8	4	6.3	6.0	3 13 82	6.2	2 19 87	6.3	2 13 88	6.35
969	13	*Monocerotis*	5.6	4 38	4	6.5	6.6	3 17 82	6.4	2 13 87	6.7	2 19 87	6.5
970	101	*Leporis*	5.8	15 46	2	6.9	6.9	3 13 82	6.9	2 19 87	6.9	.. .. ..	...
971	14	*Monocerotis*	5.8	6 31	4	5.8	5.9	3 14 82	6.0	2 28 86	5.7	2 13 87	5.8
972	102	*Leporis*	6.2	26 27	3	6.35	6.4	3 13 82	6.2	2 19 87	6.45	2 24 87	6.35
973	103	"	6.2	18 10	5	7.05	7.0	3 13 82	6.9	2 19 87	7.0	2 13 88	7.1
974	174	*Orionis*	6.5	2 29	3	6.7	6.7	3 19 82	6.7	3 6 85	6.6	2 13 87	6.8
975	...	*Monocerotis*	7.0	8 42	2	6.95	..	2 24 87	6.95	2 13 88	6.95	.. .. ..	...
976	1	*Canis Majoris*	7.3	17 44	3	6.75	6.8	3 13 82	6.7	2 19 87	6.8	3 29 88	6.75
977	175	*Orionis*	7.7	3 43	2	6.4	6.3	3 17 82	6.4	2 13 87	6.4	.. .. ..	...
978	2	*Canis Majoris*	7.8	15 21	6	7.0	7.0	3 13 82	7.1	2 19 87	7.05	2 24 87	7.05
979	15	*Monocerotis*	8.4	4 32	3	6.15	6.2	3 17 82	6.25	2 28 86	6.1	2 13 87	6.1
980	3	*Canis Majoris*	8.7	29 22	5	6.7	6.8	3 14 82	6.7	2 13 87	6.6	2 19 87	6.8
981	16	*Monocerotis*	8.8	6 14	2	4.5	4.3	3 17 82	4.5	2 25 87	4.5	.. .. ..	...
982	178	*Orionis*	9.2	0 28	8	6.2	6.1	3 19 82	6.55	3 6 85	6.2	2 13 87	6.3
983	17	*Monocerotis*	9.3	4 53	7	6.3	6.3	3 17 82	6.4	2 28 86	6.1	2 13 87	6.6
984	18	"	9.5	9 0	4	6.45	6.7	3 14 82	6.4	2 13 87	6.45	3 26 87	6.5
985	4	*Canis Majoris*	9.7	29 34	4	6.9	6.9	3 14 82	6.9	2 13 87	6.9	2 19 87	6.9
986	5	"	9.8	20 14	3	6.45	6.5	3 14 82	6.5	2 19 87	6.45	3 24 89	6.45
987	6	"	9.8	18 26	5	6.5	6.6	3 13 82	6.4	2 19 87	6.55	2 22 87	6.6
988	8	"	9.6	11 52	3	6.8	6.7	3 17 82	6.8	2 24 87	6.85	3 24 89	6.75
989	7	"	10.0	13 41	3	5.4	5.5	3 17 82	5.4	2 27 86	5.5	2 19 87	5.35
990	9	"	10.6	16 35	4	6.35	6.5	3 14 82	6.5	2 19 87	6.2	2 24 87	6.3
991	...	"	10.9	12 0	4	7.1	7.1	3 17 82	6.9	2 24 87	7.15	3 26 87	7.15
992	...	"	11.1	-29 45	3	7.0	..	2 13 87	7.05	2 19 87	6.9	2 13 88	7.05
993	10	"	11.8	22 40	3	6.45	6.6	3 14 82	6.5	2 24 87	6.45	2 13 88	6.45
994	11	"	12.1	16 46	3	5.95	5.8	3 14 82	5.9	2 19 87	6.0	2 13 88	5.9
995	12	"	12.3	19 9	5	7.0	6.9	3 14 82	7.2	2 19 87	7.0	3 13 87	7.0
996	13	"	12.8	19 55	2	5.8	5.8	3 14 82	5.8	2 19 87	5.8	.. .. ..	...
997	19	*Monocerotis*	6 12.9	9 20	3	6.1	6.0	3 14 82	6.1	2 13 87	6.1	3 23 89	6.15

No.	U. A. No.	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U. A.	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. *m.*	° ′									
998	20	*Monocerotis*	6 13.2	− 8 32	3	6.55	6.8	3 14 82	6.55	2 13 87	6.55	3 23 89	6.6
999	14	*Canis Majoris*	13.2	14 59	3	6.7	6.7	3 17 82	6.7	2 19 87	6.65	2 24 87	6.8
1000	15	"	13.7	20 53	2	6.1	6.2	3 14 82	6.1	2 19 87	6.1	.. .. ..	...
1001	185	*Orionis*	13.7	2 54	7	5.8	5.5	3 17 82	5.3	2 28 86	5.9	2 13 87	5.9
1002	21	*Monocerotis*	13.7	7 46	5	5.8	5.9	3 14 82	6.0	2 28 86	5.7	2 13 87	5.8
1003	...	*Canis Majoris*	13.8	24 58	4	7.25	7.1	3 14 82	7.1	2 24 87	7.3	2 13 88	7.35
1004	...	"	14.2	24 55	3	7.35	7.4	3 14 82	7.3	2 24 87	7.35	2 13 88	7.35
1005	16	"	14.4	22 3	5	6.9	6.9	3 14 82	6.7	2 24 87	6.85	2 13 87	6.9
1006	18	"	15.5	30 1	5	3.2	3.2	2 6 82	3.4	3 14 82	3.0	2 27 86	3.2
1007	17	"	15.6	11 43	5	6.05	6.1	3 17 82	6.1	2 27 86	5.85	2 22 87	6.1
1008	19	"	16.1	29 37	4	6.95	6.9	3 14 82	7.0	2 13 87	6.9	2 19 87	6.9
1009	24	*Monocerotis*	16.8	3 13	3	7.0	7.0	3 17 82	7.0	2 25 87	7.0	3 20 87	7.0
1010	27	"	17.2	4 38	3	6.9	7.0	3 17 82	7.0	2 25 87	6.85	3 20 87	6.9
1011	20	*Canis Majoris*	17.2	17 54	3	2.1	2.2	2 6 82	2.0	3 14 82	2.1	2 13 88	2.2
1012	21	"	18.1	15 0	2	6.9	6.9	3 17 82	6.9	2 24 87	6.9	.. .. ..	...
1013	22	"	18.1	16 24	4	6.8	6.8	3 17 82	6.7	2 24 87	6.8	2 13 88	6.9
1014	23	"	18.4	11 28	4	5.85	5.6	3 17 82	5.9	2 27 86	5.7	2 24 87	5.8
1015	24	"	18.4	19 43	3	6.9	6.9	3 14 82	6.85	2 24 87	6.9	3 24 89	6.9
1016	26	"	18.6	12 54	3	6.4	6.5	3 17 82	6.3	2 24 87	6.5	3 13 87	6.4
1017	27	"	18.7	29 48	5	7.0	7.0	3 14 82	7.1	2 13 87	7.05	2 19 87	7.0
1018	28	"	18.8	16 10	4	7.0	6.9	3 17 82	7.1	2 24 87	6.95	3 13 87	7.0
1019	29	"	18.9	25 31	3	6.15	6.0	3 14 82	6.15	2 24 87	6.2	2 29 88	6.15
1020	30	*Monocerotis*	18.9	0 52	2	6.4	6.3	3 19 82	6.4	2 25 87	6.4	.. .. ..	...
1021	32	"	19.3	2 55	4	6.8	6.7	3 17 82	6.7	2 25 87	6.85	3 20 87	6.9
1022	33	"	19.6	3 49	3	6.8	6.7	3 17 82	6.7	2 25 87	6.85	3 20 87	6.8
1023	34	"	19.9	3 27	4	6.85	6.8	3 17 82	6.7	2 20 87	6.9	2 25 87	6.85
1024	30	*Canis Majoris*	19.9	28 42	4	6.7	6.7	3 14 82	6.6	2 13 87	6.7	2 19 87	6.7
1025	35	*Monocerotis*	20.0	7 50	4	6.8	6.9	3 17 82	6.65	2 13 87	6.8	2 24 87	6.8
1026	36	"	20.3	1 26	3	6.25	6.3	3 19 82	6.2	2 25 87	6.3	3 23 89	6.3
1027	38	"	20.4	4 32	3	6.5	6.7	3 17 82	6.5	2 25 87	6.5	3 20 87	6.5
1028	40	"	20.7	7 26	4	6.8	6.7	3 17 82	6.9	2 13 87	6.7	2 24 87	6.75
1029	...	"	20.8	4 23	3	7.4	7.2	3 17 82	7.3	2 25 87	7.5	2 13 88	7.4
1030	39	"	20.8	4 17	3	6.8	6.9	3 17 82	6.8	2 25 87	6.85	3 20 87	6.8
1031	43	"	20.9	0 12	5	6.25	6.1	3 19 82	6.1	2 25 87	6.3	3 20 87	6.3
1032	31	*Canis Majoris*	20.9	29 38	4	6.85	6.9	3 14 82	6.7	2 13 87	6.9	2 19 87	6.9
1033	32	"	21.0	14 32	3	6.85	6.8	3 17 82	6.8	2 24 87	6.9	3 24 89	6.9
1034	45	*Monocerotis*	21.8	4 41	4	5.5	5.4	3 17 82	5.5	2 28 86	5.45	2 25 87	5.4
1035	33	*Canis Majoris*	22.2	25 46	2	6.4	6.5	3 14 82	6.4	2 24 87	6.4	.. .. ..	...
1036	...	"	22.2	13 5	4	7.2	7.1	3 17 82	7.1	3 13 87	7.2	3 24 89	7.3
1037	...	*Monocerotis*	22.4	0 30	2	6.95	7.1	3 19 82	6.95	2 25 87	6.95	.. .. ..	...
1038	48	"	22.8	6 57	5	4.1	4.1	3 17 82	4.4	2 25 87	4.1	3 20 87	3.9
1039	34	*Canis Majoris*	23.1	17 23	2	6.6	6.5	3 14 82	6.6	2 24 87	6.6	.. .. ..	...
1040	37	"	24.2	22 31	3	7.0	7.0	3 14 82	7.0	3 17 82	7.0	2 24 87	7.0
1041	50	*Monocerotis*	24.3	10 0	6	6.65	6.4	3 17 82	6.45	2 13 87	6.6	2 24 87	6.7
1042	38	*Canis Majoris*	24.8	19 8	3	7.0	7.0	3 14 82	7.0	3 17 82	7.0	2 24 87	7.0
1043	39	"	24.8	13 4	3	6.5	6.7	3 17 82	6.5	2 24 87	6.4	2 29 88	6.55
1044	40	"	24.8	14 52	3	7.0	7.0	3 17 82	7.1	2 24 87	6.95	3 13 87	6.95
1045	41	"	25.6	12 18	3	5.7	5.6	3 17 82	5.7	2 27 86	5.7	2 24 87	5.7
1046	42	"	25.8	27 41	3	6.1	6.1	3 14 82	6.15	2 13 87	6.2	3 24 89	6.0
1047	53	*Monocerotis*	25.8	8 4	2	6.0	6.0	3 17 82	6.0	2 13 87	6.0	.. .. ..	...
1048	43	*Canis Majoris*	26.2	21 19	3	6.85	6.8	3 14 82	6.8	3 17 82	6.9	2 24 87	6.9
1049	55	*Monocerotis*	26.3	5 47	3	6.05	6.0	3 17 82	6.1	2 28 86	6.0	2 25 87	6.1
1050	44	*Canis Majoris*	6 26.7	23 20	8	4.4	4.5	3 14 82	4.7	3 6 85	4.4	2 22 86	4.25

No.	U. A. No.	Name.	1875.		No. Obs.	Mag.		Separate Observations.					
			R. A.	Decl.		Mean Obs'd.	U. A.	Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. m.	° ′									
1051	46	*Canis Majoris*	6 26.9	−11 5	4	6.85	6.8	3 17 82	6.7	2 24 87	6.95	3 13 87	6.85
1052	56	*Monocerotis*	27.3	1 8	3	5.65	5.7	3 19 82	5.7	2 25 87	5.6	3 23 89	5.6
1053	48	*Canis Majoris*	28.1	20 50	3	6.85	6.8	3 14 82	6.8	3 17 82	6.9	2 24 87	6.9
1054	49	"	29.8	22 52	5	4.75	4.8	3 14 82	4.85	3 6 85	4.8	2 22 86	4.5
1055	51	"	30.2	22 1	4	6.9	6.9	3 14 82	7.0	3 17 82	6.8	2 24 87	6.85
1056	59	*Monocerotis*	30.4	5 7	3	5.9	5.9	3 17 82	5.9	2 28 86	5.9	2 25 87	5.9
1057	52	*Canis Majoris*	30.9	18 34	3	6.4	6.4	3 14 82	6.4	2 24 87	6.45	3 24 89	6.3
1058	53	"	31.0	13 13	3	6.75	6.8	3 17 82	6.7	2 24 87	6.8	3 24 89	6.7
1059	54	"	31.2	19 9	6	4.3	4.1	3 14 82	4.3	3 6 85	4.2	2 22 86	4.2
1060	55	"	31.4	22 31	4	6.8	6.8	3 14 82	6.8	3 17 82	6.7	2 24 87	6.7
1061	56	"	31.9	12 52	3	6.7	6.6	3 17 82	6.6	2 24 87	6.8	3 13 87	6.7
1062	63	*Monocerotis*	32.1	2 26	2	6.7	6.6	3 19 82	6.7	2 25 87	6.7	.. .. ..	...
1063	57	*Canis Majoris*	32.4	18 8	10	4.95	4.9	3 14 82	4.5	3 6 85	5.0	2 22 86	4.7
1064	58	"	33.0	16 46	2	6.6	6.6	3 14 82	6.6	3 13 87	6.6	.. .. ..	...
1065	60	"	33.2	23 28	3	6.85	6.9	3 14 82	6.8	3 13 87	6.9	3 24 89	6.9
1066	61	"	33.6	14 2	8	5.55	5.3	3 17 82	5.3	2 22 86	5.8	2 27 86	5.3
1067	62	"	34.4	23 35	3	6.55	6.6	3 14 82	6.6	3 13 87	6.5	3 24 89	6.5
1068	68	*Monocerotis*	36.0	9 3	2	5.7	5.7	3 17 82	5.7	2 24 87	5.7	.. .. ..	...
1069	64	*Canis Majoris*	36.1	20 12	8	7.15	7.0	3 14 82	7.0	3 17 82	7.0	3 13 87	7.1
1070	...	"	36.6	20 8	6	7.25	7.2	3 14 82	7.2	3 17 82	7.2	3 13 87	7.15
1071	70	*Monocerotis*	36.6	4 1	5	6.95	7.0	3 19 82	7.05	2 25 87	7.0	3 4 88	6.95
1072	65	*Canis Majoris*	37.5	22 20	3	6.65	6.7	3 14 82	6.6	3 13 87	6.65	3 24 89	6.65
1073	72	*Monocerotis*	39.5	0 35	5	7.05	7.0	3 19 82	6.9	2 25 87	7.0	3 20 87	7.0
1074	68	*Canis Majoris*	39.9	27 14	6	6.7	6.8	3 14 82	6.5	2 28 87	6.8	3 13 87	6.8
1075	69	"	40.2	23 20	5	6.75	6.6	3 14 82	6.6	3 13 87	6.75	3 26 87	6.85
1076	71	"	40.3	14 40	8	5.6	5.7	3 17 82	5.75	2 22 86	5.3	2 27 86	5.3
1077	75	*Monocerotis*	40.7	9 59	7	5.8	6.1	3 17 82	6.2	2 24 87	5.9	3 20 87	5.6
1078	75	*Canis Majoris*	41.2	14 18	5	5.4	5.5	3 17 82	5.6	2 22 86	5.3	2 27 86	5.3
1079	77	*Monocerotis*	41.6	8 52	6	5.75	5.6	3 17 82	5.5	2 24 87	5.65	3 20 87	5.8
1080	76	*Canis Majoris*	41.7	20 53	3	6.4	6.6	3 17 82	6.4	3 24 84	6.4	3 13 87	6.4
1081	78	*Monocerotis*	42.0	1 11	3	6.2	6.2	3 19 82	6.2	2 25 87	6.2	3 20 87	6.2
1082	80	"	43.0	2 8	3	6.15	6.1	3 19 82	6.1	2 25 87	6.2	3 20 87	6.1
1083	77	*Canis Majoris*	43.3	15 0	3	5.8	5.8	3 17 82	5.75	2 27 86	5.9	3 13 87	5.7
1084	82	*Monocerotis*	44.4	0 23	4	6.3	6.3	3 19 82	6.4	2 25 87	6.2	3 20 87	6.2
1085	78	*Canis Majoris*	44.6	23 56	5	6.65	6.6	3 14 82	6.9	2 28 87	6.6	3 13 87	6.5
1086	83	*Monocerotis*	44.7	7 54	5	6.55	6.6	3 17 82	6.7	2 24 87	6.55	3 20 87	6.55
1087	...	*Canis Majoris*	44.7	17 9	4	7.1	7.1	3 17 82	7.2	4 13 87	7.1	3 23 89	7.0
1088	79	"	44.8	16 56	6	6.65	6.4	3 17 82	6.35	3 26 87	6.7	4 13 87	6.6
1089	80	"	45.1	27 11	4	7.1	7.0	3 14 82	7.1	2 28 87	7.1	3 13 87	7.1
1090	...	*Monocerotis*	45.4	6 49	3	6.8	...	3 20 87	6.8	3 23 87	6.8	3 4 88	6.75
1091	82	*Canis Majoris*	45.5	25 38	5	6.6	6.6	3 14 82	6.4	2 28 87	6.6	3 13 87	6.6
1092	...	"	45.5	20 46	3	7.0	7.1	3 17 82	7.0	2 29 88	7.0	1 20 90	7.0
1093	87	*Monocerotis*	46.2	5 2	3	6.85	6.9	3 19 82	6.8	2 25 87	6.9	3 23 89	6.85
1094	88	"	46.2	5 10	3	6.85	6.7	3 19 84	6.8	2 25 87	6.9	3 23 89	6.85
1095	84	*Canis Majoris*	47.9	18 53	3	6.4	6.1	3 17 82	6.4	3 13 87	6.4	3 24 89	6.4
1096	85	"	47.9	18 47	2	6.8	6.8	3 17 82	6.8	3 13 87	6.8	.. .. ..	...
1097	86	"	48.0	26 48	4	7.0	7.0	3 14 82	6.9	2 28 87	7.0	3 13 87	7.0
1098	89	*Monocerotis*	48.0	5 42	5	6.75	6.7	3 19 82	6.5	2 25 87	6.9	3 13 87	6.75
1099	90	"	48.1	0 58	3	5.9	5.9	3 19 82	5.9	2 25 87	5.85	3 20 87	5.9
1100	87	*Canis Majoris*	48.2	20 4	5	5.05	5.3	3 14 82	5.1	2 22 86	5.15	2 27 86	5.0
1101	88	"	48.2	24 32	4	6.85	6.9	3 14 82	6.9	2 28 87	6.85	3 13 87	6.8
1102	89	"	48.4	11 53	3	4.6	4.4	3 17 82	4.6	2 22 86	4.65	2 27 86	4.6
1103	91	"	6 48.4	1 36	3	6.55	6.7	3 19 82	6.6	2 25 87	6.5	3 20 87	6.55

No.	U. A. No.	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U. A.	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. *m.*	° ′									
1104	90	*Canis Majoris*	6 48.6	−28 22	5	6.55	6.5	3 14 82	6.4	2 28 87	6.5	3 13 87	6.6
1105	92	*Monocerotis*	48.7	2 39	4	6.5	6.4	3 19 82	6.4	2 25 87	6.5	3 20 87	6.55
1106	91	*Canis Majoris*	48.8	24 23	3	6.8	6.6	3 14 82	6.9	2 28 87	6.7	3 13 87	6.8
1107	92	"	49.0	24 2	6	4.15	3.9	2 6 82	3.75	3 14 82	4.0	2 22 86	4.0
1108	94	"	49.7	20 15	3	6.35	6.5	3 17 82	6.4	3 13 87	6.3	3 4 88	6.4
1109	95	"	50.2	19 59	5	5.1	4.9	3 14 82	5.0	2 22 86	5.05	2 27 86	5.0
1110	96	"	50.4	13 53	3	5.55	5.5	3 17 82	5.5	2 22 86	5.6	2 27 86	5.6
1111	97	"	50.5	22 47	3	5.85	5.9	3 14 82	5.8	3 13 87	5.95	4 13 87	5.75
1112	98	"	50.6	16 54	6	4.8	4.9	3 14 82	5.0	3 17 82	4.9	2 22 86	4.8
1113	94	*Monocerotis*	51.0	8 1	4	6.6	6.5	3 17 82	6.5	2 24 87	6.6	3 23 89	6.7
1114	100	*Canis Majoris*	51.6	19 16	4	7.05	7.0	3 17 82	7.0	3 13 87	7.0	1 20 90	7.1
1115	101	"	52.0	22 2	3	6.95	6.9	3 17 82	6.9	3 13 87	7.0	3 24 89	7.0
1116	196	*Monocerotis*	52.2	10 9	4	7.1	7.0	3 17 82	7.1	2 24 87	7.05	3 20 87	7.2
1117	102	*Canis Majoris*	52.4	24 28	3	6.1	5.9	3 14 82	6.1	2 28 87	6.1	3 13 87	6.1
1118	103	"	52.7	27 22	4	6.55	6.6	3 14 82	6.4	2 28 87	6.6	3 13 87	6.55
1119	104	"	53.1	27 0	3	6.6	6.6	3 14 82	6.7	2 28 87	6.6	3 13 87	6.55
1120	105	"	53.5	25 15	4	6.0	6.0	3 14 82	6.1	2 28 87	6.0	3 13 87	5.9
1121	106	"	53.7	28 48	4	1.7	1.8	2 6 82	1.7	3 14 82	1.8	2 22 86	1.65
1122	100	*Monocerotis*	54.2	5 12	4	6.75	6.9	3 19 84	6.9	2 25 87	6.7	3 20 87	6.65
1123	107	*Canis Majoris*	54.3	21 26	2	6.7	6.7	3 17 82	6.7	3 13 87	6.7	.. .. ..	...
1124	101	*Monocerotis*	54.4	8 14	2	6.3	6.2	3 17 82	6.3	2 24 87	6.3	.. .. ..	...
1125	102	"	54.7	9 2	3	6.7	6.7	3 17 82	6.7	2 24 87	6.7	3 4 88	6.7
1126	111	*Canis Majoris*	54.7	19 59	3	6.65	6.6	3 17 82	6.6	3 13 87	6.7	3 24 89	6.7
1127	...	"	55.0	21 57	3	6.9	...	3 13 87	6.9	3 4 88	6.85	3 17 90	6.9
1128	112	"	55.2	20 28	3	6.85	6.9	3 17 82	6.9	3 13 87	6.8	3 24 89	6.8
1129	105	*Monocerotis*	55.5	1 10	3	6.8	6.6	3 19 82	6.8	2 25 87	6.7	3 23 89	6.85
1130	106	"	55.8	5 33	7	6.1	5.6	3 19 82	5.7	2 25 87	6.0	3 20 87	6.2
1131	113	*Canis Majoris*	56.0	25 24	3	6.0	6.0	3 14 82	6.1	2 28 87	5.9	3 13 87	6.0
1132	...	"	56.0	11 7	3	7.0	...	2 24 87	7.0	1 21 90	7.0	2 11 90	7.0
1133	114	"	56.7	27 45	5	4.05	3 6	3 14 82	3.7	2 22 86	4.2	2 27 86	3.9
1134	108	*Monocerotis*	56.7	4 4	4	5.45	5.5	3 19 82	5.5	2 25 87	5.35	3 20 87	5.45
1135	115	*Canis Majoris*	57.8	23 39	5	3.4	3.4	3 14 82	3.3	3 22 84	3.4	2 22 86	3.4
1136	110	*Monocerotis*	57.9	5 8	5	6.3	6.2	3 19 82	6.1	2 25 87	6.4	3 20 87	6.35
1137	111	"	58.0	9 56	3	6.75	6.8	3 17 82	6.7	2 24 87	6.75	3 4 88	6.75
1138	116	*Canis Majoris*	58.1	15 27	5	4.25	4.5	3 17 82	4.25	2 22 86	4.3	2 27 86	4.0
1139	117	"	59.5	21 51	3	6.75	6.7	3 17 82	6.7	3 13 87	6.8	3 4 88	6.8
1140	113	*Monocerotis*	6 59.9	10 28	3	6.75	6.7	3 17 82	6.7	2 24 87	6.75	3 4 88	6.75
1141	119	*Canis Majoris*	7 0.8	11 6	3	5.95	6.0	3 17 82	5.9	2 24 87	6.0	3 4 88	5.95
1142	118	"	0.8	12 12	4	6.8	7.0	3 17 82	7.0	2 24 87	6.8	3 26 87	6.8
1143	121	"	1.7	24 46	3	6.8	6.7	3 17 82	6.7	3 13 87	6.9	3 4 88	6.8
1144	122	"	2.2	23 39	3	6.55	6.3	3 17 82	6.5	3 13 87	6.5	3 4 88	6.6
1145	123	"	3.3	26 12	4	2.3	2.1	2 6 82	2.3	3 14 82	2.3	2 22 86	2.3
1146	114	*Monocerotis*	3.4	10 9	4	6.6	6.6	3 17 82	6.5	2 24 87	6.6	3 4 88	6.65
1147	124	*Canis Majoris*	3.6	23 51	4	6.95	7.0	3 17 82	7.05	3 13 87	6.9	3 4 88	6.8
1148	125	"	3.9	16 2	3	6.5	6.6	3 19 82	6.6	3 24 87	6.45	3 26 87	6.5
1149	115	*Monocerotis*	4.0	4 3	4	5.5	5.4	3 19 82	5.3	2 25 87	5.5	3 20 87	5.65
1150	126	*Canis Majoris*	4.6	25 2	3	6.2	6.3	3 17 82	6.2	3 13 87	6.1	3 4 88	6.25
1151	127	"	4.7	18 29	4	6.75	6.8	3 19 82	6.9	3 24 87	6.7	3 26 87	6.75
1152	116	*Monocerotis*	4.8	3 42	4	6.95	6.9	3 19 82	7.1	2 25 87	7.0	3 6 88	6.9
1153	117	"	5.0	0 6	4	6.0	6.0	3 19 82	6.2	2 25 87	5.8	3 20 87	6.0
1154	128	*Canis Majoris*	5.3	27 17	4	6.4	6.3	3 17 82	6.35	3 13 87	6.3	3 4 88	6.5
1155	118	*Monocerotis*	5.5	0 17	5	4.4	4.6	3 19 82	4.7	2 25 87	4.6	4 2 88	4.2
1156	129	*Canis Majoris*	7 5.9	17 8	4	6.8	6.8	3 19 82	6.7	3 24 87	6.75	3 4 88	6.9

No.	U. A. No.	Name.	1875. R. A.	1875. Decl.	No Obs	Mag. Mean Obs'd.	Mag. U. A.	Separate Obeservations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h m.	° ′									
1157	130	*Canis Majoris*	7 6.3	−20 41	3	6.5	6.3	3 17 82	6.4	3 24 87	6.6	3 26 87	6.5
1158	131	"	7.1	25 44	3	6.55	6.5	3 17 82	6.6	3 13 87	6.5	3 4 88	6.5
1159	132	"	7.3	11 3	4	6.4	6.4	3 17 82	6.3	2 24 87	6.5	3 26 87	6.3
1160	119	*Monocerotis*	8.0	3 41	6	6.6	6.7	3 19 82	6.4	2 25 87	6.4	3 6 88	6.65
1161	134	*Canis Majoris*	8.1	22 28	3	6.8	6.8	3 17 82	6.75	3 13 87	6.8	3 24 89	6.8
1162	120	*Monocerotis*	8.3	9 44	4	6.45	6.3	3 17 82	6.3	2 24 87	6.5	3 20 87	6.45
1163	135	*Canis Majoris*	8.5	22 42	2	6.8	6.9	3 17 82	6.8	3 13 87	6.8	.. .. ..	...
1164	136	"	8.6	27 9	3	6.75	6.8	3 17 82	6.7	3 13 87	6.8	3 4 88	6.75
1165	121	*Monocerotis*	8.6	10 6	3	6.25	6.3	3 17 82	6.2	2 24 87	6.25	3 4 88	6.25
1166	139	*Canis Majoris*	9.2	26 8	5	5.4	5.4	3 17 82	5.6	2 22 86	5.3	3 7 86	5.4
1167	140	"	9.7	26 33	6	4.15	4.2	3 14 82	4.2	2 22 86	4.15	2 27 86	3.7
1168	141	"	9.8	26 49	4	6.7	6.5	3 17 82	6.6	3 13 87	6.8	3 26 87	6.7
1169	122	*Monocerotis*	9.8	22 22	5	6.45	6.3	3 17 82	6.2	2 24 87	6.5	3 13 87	6.45
1170	143	*Canis Majoris*	10.6	23 31	3	6.75	6.8	3 17 82	6.75	3 13 87	6.8	3 4 88	6.7
1171	144	"	10.6	15 22	3	6.15	5.9	3 19 82	6.1	3 24 87	6.2	3 4 88	6.1
1172	145-6	"	11.4	23 6	9	5.35	5.0	3 17 82	5.0	2 22 86	5.5	2 27 86	5.3
1173	123	*Monocerotis*	11.4	6 28	3	6.85	6.8	3 19 82	6.8	2 25 87	6.85	3 23 89	6.9
1174	147	*Canis Majoris*	11.6	27 40	6	5.45	5.4	3 17 82	5.3	3 13 87	5.45	4 17 87	5.5
1175	149	"	12.7	26 34	4	6.95	7.0	3 17 82	7.0	3 13 87	6.9	4 19 87	7.0
1176	150	"	13.5	24 20	5	5.4	5.6	2 22 86	5.3	3 17 86	5.4	3 4 88	5.55
1177	151	"	13.5	24 44	5	4.6	4.6	3 17 82	4.7	2 22 86	4.65	2 27 86	4.4
1178	152	"	13.6	19 3	4	6.7	6.6	3 19 82	6.7	3 24 87	6.6	3 4 88	6.75
1179	153	"	13.7	17 18	6	7.0	7.0	3 19 82	6.9	3 24 87	7.0	3 4 88	6.95
1180	154	"	13.8	26 22	3	5.95	6.0	3 17 82	5.9	3 13 87	6.0	3 4 88	5.95
1181	155	"	13.8	16 10	3	var.	6.2	3 19 82	6.4	3 24 87	6.3	3 4 88	6.4
1182	156	"	15.3	14 8	4	6.25	6.2	3 19 82	6.4	3 24 87	6.2	3 26 87	6.15
1183	124	*Monocerotis*	15.3	8 38	3	6.8	6.8	3 19 82	6.75	2 25 87	6.8	3 22 89	6.75
1184	125	"	15.5	5 40	3	6.8	6.9	3 19 82	6.8	2 25 87	6.85	3 23 89	6.8
1185	157	*Canis Majoris*	15.6	22 37	3	7.0	7.0	3 17 82	7.05	3 23 87	7.0	3 4 88	7.0
1186	158	"	15.9	26 44	6	6.5	6.7	3 17 82	6.6	3 13 87	6.6	4 19 87	6.6
1187	159	"	15.9	25 40	3	6.85	6.7	3 17 82	6.9	3 13 87	6.8	3 4 88	6.8
1188	126	*Monocerotis*	16.0	2 45	4	6.5	6.6	3 19 82	6.4	2 25 87	6.6	3 20 87	6.45
1189	127	"	16.0	8 45	4	6.6	6.6	3 19 82	6.6	2 25 87	6.65	3 22 89	6.75
1190	128	"	16.1	0 1	3	6.8	7.0	3 19 82	6.7	2 25 87	6.85	3 20 87	6.8
1191	129	"	16.3	5 45	2	6.1	6.2	3 19 82	6.1	2 25 87	6.1	.. .. ..	...
1192	160	*Canis Majoris*	16.7	18 47	4	5.55	5.7	3 19 82	5.4	3 24 87	5.6	3 26 87	5.55
1193	162	"	18.5	27 36	5	6.15	6.1	3 17 82	6.0	3 13 87	6.3	4 3 87	6.2
1194	164	"	19.0	22 40	3	6.75	6.8	3 17 82	6.9	3 23 87	6.7	3 4 88	6.7
1195	165	"	19.0	15 57	3	5.85	6.0	3 19 82	5.8	3 24 87	5.9	3 4 88	5.85
1196	166	"	19.0	29 59	3	7.0	6.9	3 13 87	6.9	3 23 87	7.05	4 19 87	7.0
1197	167	"	19.2	29 4	5	2.85	2.9	2 6 82	2.85	3 14 82	2.7	3 22 84	3.0
1198	168	"	19.3	18 46	4	6.75	6.8	3 19 82	6.7	3 24 87	6.7	4 6 88	6.85
1199	169	"	19.4	13 30	5	6.45	6.4	3 19 82	6.6	3 24 87	6.45	4 13 87	6.35
1200	170	"	19.7	20 56	4	7.1	6.9	3 19 82	7.0	3 23 87	7.1	4 13 87	7.15
1201	130	*Monocerotis*	19.7	5 32	4	6.45	6.4	3 19 82	6.35	2 25 87	6.5	3 20 87	6.45
1202	131	"	19.9	4 17	3	6.8	6.9	3 19 82	6.8	2 25 87	6.85	3 23 89	6.75
1203	172	*Canis Majoris*	20.0	21 44	5	6.7	6.7	3 19 82	6.6	3 23 87	6.7	3 4 88	6.7
1204	132	*Monocerotis*	20.2	0 13	2	6.9	6.9	3 19 82	6.9	2 25 87	6.9	.. .. ..	...
1205	173	*Canis Majoris*	20.3	24 58	4	6.3	6.4	3 17 82	6.2	3 13 87	6.2	3 4 88	6.4
1206	175	"	21.4	23 28	4	7.0	7.0	3 17 82	6.9	3 23 87	7.0	3 4 88	7.0
1207	176	"	21.6	17 37	5	6.3	6.2	3 19 82	6.4	3 24 87	6.3	3 4 88	6.2
1208	177	"	21.7	22 50	5	6.05	5.7	3 17 82	5.9	3 7 86	5.85	3 23 87	6.2
1209	178	"	7 22.0	11 18	3	6.25	6.3	3 24 87	6.35	4 13 87	6.25	3 22 89	6.1

No.	U. A No.	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U.A.	Separate Observations. Date.	Mag	Date.	Mag.	Date.	Mag.
			h. *m.*	° ′									
1210	...	*Canis Majoris*	7 22.1	−18 15	3	6.95	...	3 24 87	6.9	4 13 87	6.9	2 11 90	7.0
1211	92	*Puppis*	22.4	22 36	2	6.7	6.7	3 17 82	6.7	3 23 87	6.7	.. .. ..	...
1212	133	*Monocerotis*	22.6	9 47	3	6.8	7.0	3 19 82	6.8	2 25 87	6.8	3 22 89	6.75
1213	134	"	23.0	1 39	3	6.2	6.0	3 19 82	6.2	2 25 87	6.2	3 23 89	6.2
1214	93	*Puppis*	23.0	28 54	4	6.15	6.3	3 19 82	6.2	4 13 87	6.0	4 19 87	6.2
1215	135	*Monocerotis*	23.4	7 18	3	6.4	6.3	3 19 82	6.4	2 25 87	6.45	3 22 89	6.4
1216	136	"	23.4	10 4	4	6.45	6.2	3 19 82	6.3	2 25 87	6.45	3 20 87	6.55
1217	...	*Puppis*	23.7	28 52	3	7.15	7.1	3 19 82	7.2	4 19 87	7.15	3 28 89	7.15
1218	94	"	23.7	14 44	3	6.75	6.8	3 19 82	6.7	3 24 87	6.8	3 4 88	6.7
1219	97	"	24.6	22 46	5	5.5	5.7	3 17 82	5.3	3 7 86	5.6	3 23 87	5.45
1220	137	*Monocerotis*	24.7	4 58	5	6.7	6.6	3 19 82	6.6	2 25 87	6.75	3 20 87	6.75
1221	138	"	24.7	1 54	5	7.05	6.8	3 19 82	7.05	2 25 87	7.1	3 20 87	7.2
1222	139	"	24.8	9 31	2	var.	var.	3 19 82	6.6	3 25 87	6.5	.. .. ..	...
1223	140	"	24.9	0 52	3	6.9	6.8	3 19 82	6.9	2 25 87	6.9	3 23 89	6.9
1224	141	"	25.0	9 51	5	7.0	6.9	3 19 82	7.0	2 25 87	6.95	3 22 89	7.05
1225	142	"	26.1	8 37	5	6.3	6.3	3 19 82	6.4	2 25 87	6.35	3 7 88	6.2
1226	143	"	26.5	1 46	4	6.75	6.9	3 19 82	6.7	2 25 87	6.7	3 20 87	6.8
1227	105	*Puppis*	27.8	19 9	5	6.35	6.2	3 19 82	6.3	3 24 87	6.4	3 7 88	6.4
1228	106	"	27.9	24 27	4	6.5	6.7	3 19 82	6.4	4 13 87	6.45	3 7 88	6.55
1229	107	"	28.1	14 15	6	5.3	5.2	3 19 82	4.8	3 24 87	5.2	4 13 87	5.3
1230	108	"	28.7	22 2	4	5.1	5.2	3 19 82	5.15	3 7 86	5.1	3 23 87	5.0
1231	109	"	28.8	19 52	5	7.05	7.0	3 19 82	7.0	3 24 87	7.1	4 17 87	7.05
1232	111-2	"	29.0	23 12	5	5.7	5.7	3 19 82	5.8	3 7 86	5.7	3 23 87	5.7
1233	114	"	29.3	25 51	4	7.0	7.0	3 19 82	6.9	3 24 87	7.0	3 7 88	7.0
1234	116	"	29.5	26 45	6	6.55	6.6	3 19 82	6.2	3 24 87	6.7	4 13 87	6.6
1235	144	*Monocerotis*	30.2	8 2	4	6.8	6.7	3 19 82	6.75	2 25 87	6.9	3 20 87	6.8
1236	122	*Puppis*	30.3	14 13	4	6.35	6.0	3 19 82	6.4	3 24 87	6.4	3 7 88	6.2
1237	119	"	30.4	28 6	6	5.2	5.3	3 19 82	5.5	3 7 86	5.2	3 23 87	5.1
1238	120	"	30.4	26 21	5	6.95	7.0	3 19 82	6.8	3 24 87	7.0	4 13 87	7.0
1239	123	"	30.9	14 13	3	6.95	7.0	3 19 82	6.9	3 24 87	7.0	3 29 88	6.95
1240	145	*Monocerotis*	31.1	3 50	2	5.7	5.7	3 19 82	5.7	2 25 87	5.7	.. .. ..	...
1241	125	*Puppis*	31.2	19 26	4	6.1	6.2	3 19 82	6.1	3 24 87	6.1	3 7 88	6.0
1242	146	*Monocerotis*	31.8	6 41	3	6.95	6.9	3 19 82	7.0	2 25 87	6.95	3 22 89	6.95
1243	124	*Puppis*	31.9	14 10	3	6.95	7.0	3 19 82	6.9	3 24 87	7.0	3 29 88	6.9
1244	126	"	32.0	23 30	6	7.0	6.9	3 19 82	6.65	4 19 87	7.15	3 29 88	7.0
1245	128	"	33.1	25 5	5	5.35	5.4	3 19 82	5.5	3 7 86	5.2	3 23 87	5.4
1246	132	"	33.6	18 24	5	6.9	6.8	3 19 82	6.9	3 24 87	6.9	3 7 88	6.9
1247	133-4	"	33.7	26 31	5	3.9	4.0	3 22 84	3.8	3 7 86	3.9	3 23 87	3.95
1248	147	*Monocerotis*	33.7	3 18	5	7.1	7.0	3 19 82	7.1	3 20 87	7.1	3 23 89	7.0
1249	135	*Puppis*	33.8	16 34	4	6.95	7.0	3 19 82	7.0	3 24 87	6.9	3 7 88	7.0
1250	139	"	34.3	26 35	5	7.1	6.9	3 19 82	7.2	3 24 87	7.1	3 29 88	7.1
1251	...	"	34.4	26 38	5	7.3	7.2	3 19 82	7.6	3 24 87	7.2	3 29 88	7.1
1252	148	*Monocerotis*	34.6	7 54	3	6.3	6.3	3 19 82	6.3	2 25 87	6.25	3 7 88	6.35
1253	140	*Puppis*	34.7	14 59	7	5.45	5.4	3 19 82	5.1	3 24 87	5.3	4 19 87	5.7
1254	141	"	34.7	19 22	5	6.6	6.7	3 22 84	6.6	3 24 87	6.6	3 7 88	6.6
1255	149	*Monocerotis*	35.3	9 16	4	4.2	4.0	4 27 84	4.2	2 25 87	4.3	3 7 88	4.1
1256	147	*Puppis*	35.5	29 48	3	6.9	6.8	3 23 82	6.9	4 19 87	6.85	3 30 89	6.8
1257	149	"	36.0	22 3	3	7.05	6.9	4 19 87	7.0	4 27 87	7.0	3 30 89	7.1
1258	151	"	37.2	29 54	3	7.0	7.0	3 23 82	7.05	4 19 87	7.0	3 30 89	7.0
1259	152	"	37.4	16 46	5	7.05	7.0	3 22 84	7.2	3 24 87	6.9	4 13 87	7.1
1260	150	*Monocerotis*	37.4	4 25	5	6.55	6.6	3 19 82	6.4	3 20 87	6.7	3 26 87	6.5
1261	154	*Puppis*	37.7	26 3	4	6.5	6.5	3 23 82	6.45	3 24 87	6.5	3 7 88	6.6
1262	155	"	7 38.5	28 7	8	5.55	5.0	3 23 82	5.0	3 7 86	5.55	3 23 87	5.7

No.	U. A. No.	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obe'd.	Mag. U. A.	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. m.	° ′									
1263	157	*Puppis*	7 38.8	−28 39	5	4.35	4.2	3 23 82	4.5	3 7 86	4.25	3 23 87	4.35
1264	158	"	39.0	23 36	2	6.9	7	3 23 82	6.9	4 19 87	6.9	.. .. ..	...
1265	151	*Monocerotis*	39.0	4 9	4	7.0	6.9	3 19 82	7.0	3 20 87	7.0	3 7 88	6.95
1266	161	*Puppis*	39.3	24 23	3	6.3	6.4	3 23 82	6.3	3 24 87	6.3	3 7 88	6.3
1267	152	*Monocerotis*	39.6	5 23	4	7.0	7.0	3 19 82	7.0	3 20 87	7.0	3 7 88	6.95
1268	166	*Puppis*	39.7	14 23	4	6.2	6.4	3 22 84	6.2	3 24 87	6.1	3 29 88	6.1
1269	153	*Monocerotis*	39.9	6 28	4	6.15	6.1	3 19 82	6.05	2 25 87	6.2	3 20 87	6.1
1270	167	*Puppis*	40.2	14 16	2	5.4	5.5	3 22 84	5.4	3 24 87	5.4	.. .. ..	...
1271	168	"	40.6	23 57	3	7.0	7.0	3 23 82	6.9	3 29 88	7.1	3 30 89	7.05
1272	...	"	40.7	22 50	4	7.35	7.2	3 23 82	7.5	4 19 87	7.2	3 29 88	7.4
1273	...	"	40.7	22 57	4	7.6	7.5	3 23 82	7.7	4 19 87	7.5	3 29 88	7.6
1274	170	"	40.9	12 22	5	6.85	6.9	3 22 84	6.8	4 17 87	6.9	3 29 88	6.85
1275	178	"	41.8	22 13	3	6.45	6.5	3 23 82	6.45	4 19 87	6.4	4 19 89	6.45
1276	179	"	42.1	15 42	4	6.6	6.8	3 22 84	6.6	4 17 87	6.55	3 29 88	6.7
1277	180	"	42.1	11 53	4	6.05	5.9	3 22 84	6.1	4 17 87	6.1	3 29 88	6.0
1278	...	*Monocerotis*	42.2	6 28	5	7.0	...	3 20 87	7.0	3 26 87	6.95	3 7 88	7.0
1279	183	*Puppis*	42.9	25 38	6	5.15	5.3	3 23 82	5.25	3 7 86	5.2	3 23 87	5.1
1280	186	"	43.7	13 2	4	6.8	6.8	3 22 84	6.7	4 17 87	6.8	3 29 88	6.7
1281	188	"	43.8	24 36	3	6.3	6.3	3 23 82	6.2	4 19 87	6.4	4 24 87	6.3
1282	190	"	44.0	16 55	3	5.95	5.7	3 22 84	6.0	3 7 86	5.9	4 2 88	5.95
1283	191	"	44.0	24 33	4	3.55	3.5	3 22 84	3.7	3 7 86	3.55	3 23 87	3.5
1284	193	"	44.2	19 12	3	6.95	6.9	3 22 84	7.0	4 19 87	6.9	4 2 88	7.0
1285	154	*Monocerotis*	44.2	8 52	4	6.25	6.2	3 22 84	6.2	3 20 87	6.25	3 7 88	6.35
1286	192	*Puppis*	44.3	19 53	4	6.9	6.9	3 22 84	6.8	4 19 87	6.9	4 2 88	7.0
1287	194	"	44.6	19 13	3	6.75	6.7	3 22 84	6.8	4 19 87	6.7	4 2 88	6.75
1288	155	*Monocerotis*	45.0	10 49	4	6.75	6.7	3 22 84	6.8	3 20 87	6.65	3 26 87	6.9
1289	202	*Puppis*	45.7	24 13	2	6.9	7.0	3 23 82	6.9	3 24 87	6.9	.. .. ..	...
1290	203	"	45.8	12 30	4	6.85	6.8	3 22 84	6.8	4 17 87	6.9	3 29 88	6.85
1291	205	"	46.0	13 35	5	5.65	5.7	4 17 87	5.55	4 19 87	5.75	4 24 87	5.7
1292	204	"	46.3	20 51	4	6.3	6.2	3 22 84	6.4	4 19 87	6.2	4 24 87	6.35
1293	206	"	46.6	14 32	4	6.1	6.1	3 22 84	6.1	4 17 87	6.1	3 29 88	6.1
1294	156	*Monocerotis*	46.6	5 6	4	6.2	6.4	4 27 84	6.3	2 25 87	6.1	3 20 87	6.2
1295	...	*Puppis*	48.3	22 52	5	7.3	7.2	3 23 82	7.05	4 19 87	7.3	4 2 88	7.5
1296	...	"	48.3	22 59	5	7.35	7.4	3 23 82	7.3	4 19 87	7.3	4 2 88	7.5
1297	221	"	51.4	29 57	2	6.85	6.8	3 23 82	6.85	4 19 87	6.85	.. .. ..	...
1298	222	"	51.5	22 33	4	4.8	4.9	3 23 82	4.75	3 7 86	4.85	4 6 88	4.95
1299	225	"	52.7	30 0	3	5.5	5.5	3 23 82	5.5	3 22 84	5.5	3 29 88	5.5
1300	157	*Monocerotis*	53.5	3 20	3	5.55	5.6	4 27 84	5.6	2 25 87	5.5	3 7 88	5.55
1301	230	*Puppis*	53.7	22 58	2	5.85	5.9	3 23 82	5.85	4 19 87	5.85	.. .. ..	...
1302	232	"	54.3	18 3	2	5.3	5.2	3 22 84	5.3	3 7 86	5.3	.. .. ..	...
1303	158	*Monocerotis*	54.5	2 32	3	6.85	6.9	4 27 84	6.9	3 26 87	6.8	3 7 88	6.8
1304	159	"	54.9	1 3	3	5.3	5.2	4 27 84	5.3	2 25 87	5.35	3 23 89	5.3
1305	160	"	54.9	6 5	3	6.8	6.8	4 27 84	6.8	3 20 87	6.9	3 7 88	6.7
1306	161	"	56.3	5 59	3	6.7	6.6	4 27 84	6.8	3 20 87	6.6	3 26 87	6.75
1307	...	"	56.6	5 59	3	7.15	7.4	4 27 84	7.15	3 20 87	7.25	3 7 88	7.1
1308	247	*Puppis*	59.1	19 23	2	6.6	6.7	3 22 84	6.6	4 19 87	6.6	.. .. ..	...
1309	162	*Monocerotis*	7 59.5	0 13	3	6.9	6.9	4 27 84	7.0	3 26 87	6.85	4 17 87	6.9
1310	163	"	8 0.4	8 53	3	6.4	6.5	4 27 84	6.35	3 20 87	6.4	3 7 88	6.4
1311	252	*Puppis*	1.8	20 12	3	5.75	5.9	3 22 84	5.8	3 7 86	5.7	4 2 88	5.8
1312	253	"	2.2	23 57	3	3.05	3.2	3 22 84	3.1	4 19 87	3.0	4 2 88	3.0
1313	164	*Monocerotis*	2.3	2 37	3	4.8	4.9	4 27 84	4.7	2 25 87	4.95	3 20 87	4.8
1314	165	"	3.0	10 59	4	6.6	6.6	4 27 84	6.65	3 26 87	6.6	3 23 89	6.45
1315	254	*Puppis*	8 3.0	23 15	4	6.9	6.7	3 22 84	6.8	4 19 87	6.9	4 2 88	6.95

No.	U. A. No.	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U. A.	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. *m.*	° ′									
1316	255	*Puppis*	8 3.2	−20 0	3	6.9	7.0	3 22 84	6.8	4 19 87	7.0	4 24 87	6.9
1317	256	"	3.5	18 53	4	4.95	5.1	3 22 84	4.9	3 7 86	5.05	4 2 88	4.85
1318	257	"	3.8	15 53	3	6.0	6.0	3 25 84	6.1	3 25 87	5.95	4 19 87	6.0
1319	259	"	4.1	29 57	2	7.0	7.0	3 25 84	7.0	4 19 87	7.0	.. .. ..	...
1320	261	"	4.8	22 10	4	7.0	7.0	3 22 84	6.9	4 19 87	7.0	4 2 88	7.15
1321	262	"	4.9	13 26	3	6.0	6.0	3 25 84	5.9	3 25 87	6.1	4 19 87	6.0
1322	263	"	5.4	12 33	2	5.2	5.2	3 25 84	5.2	3 25 87	5.2	.. .. ..	...
1323	1	*Hydræ*	5.5	7 24	4	5.85	5.7	4 27 84	6.0	3 20 87	5.75	3 25 87	5.85
1324	3	"	7.0	0 48	3	6.9	6.7	4 27 84	7.0	3 25 87	6.85	3 26 87	6.9
1325	269	*Puppis*	7.6	15 25	3	5.65	5.7	3 25 84	5.7	3 25 87	5.6	4 2 88	5.7
1326	270	"	7.7	29 32	2	7.0	6.9	3 25 84	7.0	4 19 87	7.0	.. .. ..	...
1327	...	*Hydræ*	10.2	2 51	3	7.3	7.2	4 27 84	7.35	3 25 87	7.2	4 19 89	7.4
1328	...	"	10.8	8 38	4	6.65	6.9	4 27 84	6.8	3 25 87	6.7	3 24 89	6.55
1329	5	"	10.9	2 59	4	6.85	6.9	4 27 84	7.0	3 25 87	6.8	4 20 87	6.75
1330	281	*Puppis*	10.9	30 33	3	6.8	6.9	3 25 84	6.75	4 19 87	6.8	4 2 88	6.9
1331	283	"	11.4	20 56	2	6.9	6.9	3 22 84	6.9	3 25 87	6.9	.. .. ..	...
1332	284	"	11.7	15 54	6	6.65	6.8	3 25 84	6.8	3 25 87	6.7	4 2 88	6.7
1333	285	"	12.5	12 13	4	6.45	6.5	3 25 84	6.5	3 25 87	6.45	4 2 88	6.4
1334	286	"	12.9	29 37	2	7.0	7.0	3 25 84	7.0	4 19 87	7.0	.. .. ..	...
1335	7	*Hydræ*	13.3	9 47	4	6.6	6.7	4 27 84	6.65	3 25 87	6.7	3 24 89	6.4
1336	8	"	13.8	0 31	4	6.55	6.5	4 27 84	6.5	3 25 87	6.6	3 26 87	6.5
1337	...	*Puppis*	13.8	19 46	3	6.95	...	3 22 84	6.9	3 25 87	6.9	2 16 90	7.0
1338	9	*Hydræ*	14.1	4 56	5	6.65	6.5	4 27 84	6.5	3 25 87	6.6	4 2 88	6.75
1339	10	"	15.0	1 12	3	6.7	6.7	4 27 84	6.7	3 25 87	6.7	3 26 87	6.7
1340	291	*Puppis*	15.0	22 32	6	6.55	6.0	3 22 84	6.4	4 16 85	6.5	3 25 87	6.7
1341	11	*Hydræ*	15.7	10 39	3	6.9	6.8	4 27 84	6.9	3 25 87	6.9	3 24 89	6.9
1342	292	*Puppis*	15.8	19 41	4	6.0	6.0	3 22 84	6.0	4 16 85	6.1	3 25 87	6.0
1343	12	*Hydræ*	16.0	10 21	3	6.9	6.8	4 27 84	6.9	3 25 87	6.9	3 24 89	6.9
1344	293	*Puppis*	16.2	17 11	5	6.3	5.9	3 25 84	6.2	3 25 87	6.3	4 2 88	6.4
1345	13	*Hydræ*	16.4	5 47	4	6.4	6.4	4 27 84	6.35	3 25 87	6.45	4 2 88	6.55
1346	14	"	16.8	7 9	6	6.55	6.3	4 27 84	6.4	3 25 87	6.5	4 6 88	6.55
1347	296	*Puppis*	16.9	12 39	2	6.7	6.7	3 25 84	6.7	3 25 87	6.7	.. .. ..	...
1348	298	"	17.6	25 57	4	6.45	6.5	3 25 84	6.2	4 2 88	6.5	4 6 88	6.5
1349	15	*Hydræ*	18.4	3 21	2	6.15	6.2	4 27 84	6.15	4 20 87	6.15	.. .. ..	...
1350	16	"	18.4	4 19	5	6.35	6.7	4 27 84	6.25	3 25 87	6.4	4 20 87	6.3
1351	299	*Puppis*	18.7	28 34	2	7.0	6.8	3 25 84	7.0	4 19 87	7.0	.. .. ..	...
1352	...	"	18.8	15 3	4	7.0	...	3 25 84	7.0	3 25 87	7.0	4 2 88	7.0
1353	...	"	19.2	12 21	4	7.0	...	3 25 84	7.0	3 25 87	7.0	4 19 87	7.0
1354	19	*Hydræ*	19.4	3 30	4	3.75	3.8	4 27 84	3.6	4 20 87	3.8	4 27 87	3.8
1355	301	*Puppis*	19.5	22 45	4	5.95	5.9	3 22 84	5.8	3 25 87	6.0	4 19 87	6.0
1356	20	*Hydræ*	19.6	8 33	3	6.85	6.7	4 27 84	6.95	3 25 87	6.85	3 24 89	6.8
1357	302	*Puppis*	19.7	23 39	5	5.8	5.8	3 22 84	5.5	3 25 84	5.85	3 25 87	5.7
1358	303	"	19.8	20 39	4	6.4	6.5	3 22 84	6.4	4 16 85	6.4	3 25 87	6.3
1359	304	"	20.0	17 2	3	6.95	6.9	3 25 84	6.9	3 25 87	6.9	2 16 90	7.0
1360	21	*Hydræ*	20.0	8 7	4	6.95	6.9	4 27 84	7.0	3 25 87	6.85	4 20 87	7.05
1361	22	"	20.0	10 7	3	6.75	6.7	4 27 84	6.8	3 25 87	6.7	3 24 89	6.7
1362	305	*Puppis*	20.1	14 32	3	6.4	6.3	3 25 84	6.4	3 25 87	6.35	4 2 88	6.4
1363	23	*Hydræ*	20.2	3 35	2	6.15	6.2	4 27 84	6.15	4 20 87	6.15	.. .. ..	...
1364	308	*Puppis*	20.8	12 8	4	6.15	5.9	3 25 84	6.2	3 25 87	6.0	4 19 87	6.2
1365	24	*Hydræ*	21.1	6 0	4	6.75	6.8	4 27 84	6.8	3 25 87	6.6	4 20 87	6.8
1366	310	*Puppis*	21.6	14 32	3	6.95	6.9	3 25 84	6.9	3 25 87	7.0	4 2 88	7.0
1367	311	"	21.7	28 48	3	6.9	6.9	3 25 84	6.9	4 19 87	7.0	4 2 88	6.85
1368	313	"	8 22.0	20 26	3	6.6	6.7	3 22 84	6.7	4 16 85	6.5	3 25 87	6.6

No.	U. A. No.	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U. A.	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. m.	° ′									
1369	25	*Hydræ*	8 22.2	− 2 6	5	6.7	6.8	4 27 84	6.9	3 25 87	6.7	4 20 87	6.65
1370	26	"	22.3	8 24	3	6.75	6.7	4 27 84	6.8	3 25 87	6.7	3 24 89	6.8
1371	2	*Pyxidis*	22.6	25 43	3	6.9	6.9	3 25 84	6.95	4 16 85	6.9	4 17 87	6.9
1372	27	*Hydræ*	22.8	9 20	4	6.3	6.3	4 27 84	6.2	3 25 87	6.4	4 20 87	6.45
1373	28	"	23.1	0 33	2	7.0	7.0	4 27 84	7.0	3 25 87	7.0	.. .. ..	...
1374	3	*Pyxidis*	23.2	22 39	5	6.7	6.8	3 22 84	6.9	4 16 85	6.5	3 25 87	6.7
1375	5	"	23.3	20 32	3	6.8	6.9	3 22 84	6.9	3 25 87	6.7	4 19 87	6.85
1376	6	"	24.2	26 55	3	6.9	7.0	3 25 84	6.95	4 16 85	6.9	4 17 87	6.9
1377	9	"	25.9	19 9	3	5.45	5.6	3 25 84	5.4	3 7 86	5.55	4 19 87	5.45
1378	29	*Hydræ*	26.8	14 37	2	6.7	6.8	3 25 84	6.7	3 25 87	6.7	.. .. ..	...
1379	30	"	26.8	14 0	3	7.0	7.0	3 25 84	7.0	3 25 87	6.95	4 2 88	7.0
1380	31	"	27.0	4 48	4	6.9	7.0	4 27 84	6.8	4 20 87	7.0	5 9 87	7.0
1381	..	"	27.8	15 41	4	6.9	...	3 25 87	6.9	4 20 87	6.9	5 12 87	6.9
1382	33	"	27.7	1 44	3	6.25	6.4	4 27 84	6.25	3 25 87	6.25	4 2 88.	6.3
1383	10	*Pyxidis*	27.7	24 11	7	6.6	6.4	3 25 84	6.8	4 16 85	6.6	4 19 87	6.8
1384	13	"	29.2	26 40	3	7.0	7.0	3 25 84	6.95	4 17 87	7.0	4 19 89	7.0
1385	35	*Hydræ*	29.4	7 33	2	6.1	6.1	4 27 84	6.1	3 25 87	6.1	.. .. ..	...
1386	15	*Pyxidis*	30.2	26 25	5	6.4	6.5	3 25 84	6.5	4 16 85	6.3	4 17 87	6.5
1387	37	*Hydræ*	31.2	4 30	3	6.75	6.9	4 27 84	6.7	4 20 87	6.75	4 2 88	6.75
1388	..	*Pyxidis*	31.7	25 59	4	7.35	7.3	3 25 84	7.3	4 17 87	7.4	5 7 88	7.45
1389	40	*Hydræ*	31.7	12 9	4	6.85	7.0	3 25 84	6.9	4 14 84	6.8	4 16 85	6.9
1390	38	"	31.8	6 22	3	6.85	6.8	4 27 84	6.8	4 20 87	6.9	4 3 88	6.9
1391	41	"	32.1	11 18	4	6.8	6.7	3 25 84	6.8	4 14 84	6.8	4 16 85	6.8
1392	39	"	32.2	6 14	3	6.85	6.8	4 27 84	6.8	4 20 87	6.9	4 3 88	6.9
1393	16	*Pyxidis*	32.5	25 49	8	5.6	5.6	3 25 84	5.7	3 7 86	5.5	4 17 87	5.55
1394	18	"	33.0	19 18	4	6.8	6.9	3 25 84	6.9	4 19 87	6.8	4 3 88	6.8
1395	43	*Hydræ*	33.3	12 18	4	6.9	6.9	3 25 84	6.9	4 14 84	6.8	4 16 85	6.9
1396	19	*Pyxidis*	33.7	22 14	5	5.4	5.6	3 25 84	5.2	4 19 87	5.45	4 24 87	5.5
1397	44	*Hydræ*	34.1	12 2	5	5.6	5.4	4 14 84	5.5	4 6 85	5.5	3 25 87	5.7
1398	45	"	34.2	16 51	5	6.85	6.7	3 25 84	6.9	4 14 84	6.8	4 16 85	6.9
1399	20	*Pyxidis*	34.5	29 7	4	5.55	5.4	3 25 84	5.4	3 7 86	5.6	4 17 87	5.6
1400	46	*Hydræ*	35.0	8 37	4	6.8	6.8	3 25 84	6.7	4 27 84	6.9	4 16 85	6.7
1401	47	"	35.9	15 30	3	5.25	5.3	4 14 84	5.2	4 6 85	5.2	3 25 87	5.3
1402	48	"	36.2	11 31	3	6.8	6.8	4 14 84	6.8	3 26 87	6.75	4 3 88	6.8
1403	51	"	37.5	6 47	4	4.95	4.9	4 14 84	4.8	4 27 84	5.15	3 25 87	4.85
1404	55	"	39.0	2 9	2	6.7	6.8	4 27 84	6.7	3 25 87	6.7	.. .. ..	...
1405	25	*Pyxidis*	39.3	20 43	5	6.55	6.6	3 25 84	6.55	4 19 87	6.5	4 6 88	6.6
1406	56	*Hydræ*	39.7	1 36	6	6.4	6.3	4 27 84	6.2	3 25 87	6.4	5 9 87	6.4
1407	58	"	40.1	10 33	3	6.8	6.7	4 14 84	6.8	3 26 87	6.75	4 3 88	6.9
1408	28	*Pyxidis*	40.4	24 56	2	6.5	6.5	3 25 84	6.5	4 19 87	6.5	.. .. ..	...
1409	60	*Hydræ*	40.5	13 6	4	4.55	4.4	4 14 84	4.4	3 25 87	4.4	5 7 88	4.65
1410	61	"	40.9	1 26	4	5.65	5.6	4 27 84	5.8	3 25 87	5.85	.. .. ..	...
1411	62	"	41.1	18 18	4	6.85	7.0	3 25 84	7.0	3 26 87	6.8	4 20 87	6.85
1412	63	"	41.6	16 36	3	6.75	6.7	4 14 84	6.8	3 26 87	6.7	4 3 88	6.8
1413	65	"	41.9	6 6	4	6.75	6.7	3 25 84	6.7	4 27 84	6.65	3 26 87	6.8
1414	66	"	42.3	0 35	6	6.8	6.7	3 25 84	6.5	4 27 84	6.8	3 25 87	6.9
1415	31	*Pyxidis*	43.0	28 11	2	7.0	7.0	3 25 84	7.0	4 17 87	7.0	.. .. ..	...
1416	67	*Hydræ*	43.1	2 59	3	5.5	5.7	4 27 84	5.6	3 25 87	5.5	4 3 88	5.4
1417	69	"	43.6	8 10	2	6.8	6.8	4 27 84	6.8	4 20 87	6.8	.. .. ..	...
1418	32	*Pyxidis*	44.1	20 35	5	6.8	6.9	3 25 84	6.8	4 19 87	6.8	4 6 88	6.8
1419	34	"	44.8	29 0	3	6.5	6.5	3 25 84	6.5	4 17 87	6.6	4 3 88	6.45
1420	35	"	45.1	28 9	3	6.5	6.4	3 25 84	6.5	4 17 87	6.6	4 3 88	6.45
1421	36	"	8 45.2	27 15	4	4.4	4.4	3 25 84	4.3	3 7 86	4.5	4 17 87	4.4

No.	U. A. No.	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U. A.	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. *m.*	° ′									
1422	70	*Hydræ*	8 45.4	− 6 43	4	5.85	6.0	4 27 84	5.9	3 25 87	5.8	4 6 88	5.8
1423	72	"	46.4	12 20	4	6.95	6.9	4 14 84	6.8	4 20 87	7.05	5 9 87	7.1
1424	73	"	46.6	12 46	3	6.65	6.6	4 14 84	6.7	3 26 87	6.6	4 28 89	6.7
1425	74	"	47.3	16 29	4	6.8	6.7	4 14 84	6.8	3 26 87	6.7	4 3 88	6.8
1426	75	"	48.2	4 58	3	6.5	6.4	4 27 84	6.4	4 20 87	6.5	4 28 89	6.55
1427	76	"	48.6	10 54	3	6.9	6.8	4 14 84	6.8	3 26 87	7.0	4 20 87	6.9
1428	78	"	49.3	10 54	3	6.8	6.8	4 14 84	6.8	3 26 87	6.75	4 3 88	6.85
1429	79	"	49.4	7 30	4	6.45	6.5	4 27 84	6.5	4 20 87	6.35	5 9 87	6.5
1430	80	"	49.5	17 46	5	6.1	6.0	4 14 84	6.0	3 26 87	6.2	4 20 87	6.3
1431	82	"	50.1	14 58	6	6.95	6.8	4 14 84	7.0	4 22 84	6.8	4 6 85	6.8
1432	40	*Pyxidis*	50.2	27 12	4	5.15	5.4	3 25 84	5.1	3 7 86	5.15	4 17 87	5.15
1433	41	"	50.4	23 21	3	6.8	6.7	4 6 88	6.8	4 8 88	6.8	4 19 89	6.75
1434	84	*Hydræ*	50.8	16 14	4	6.6	6.6	4 14 84	6.6	3 26 87	6.6	4 3 88	6.65
1435	85	"	51.1	16 57	4	6.75	6.8	4 14 84	6.7	4 20 87	6.7	4 3 88	6.8
1436	87	"	51.7	4 23	3	6.85	6.9	4 27 84	6.8	4 20 87	6.9	4 3 88	6.85
1437	88	"	52.9	15 40	4	6.3	6.4	4 14 84	6.4	3 26 87	6.3	4 3 88	6.2
1438	...	"	53.1	15 30	8	7.05	7.3	4 14 84	6.8	4 22 84	7.0	4 6 85	7.0
1439	89	"	54.0	18 43	2	6.6	6.6	4 14 84	6.6	3 26 87	6.6	.. .. ..	...
1440	42	*Pyxidis*	54.0	28 19	2	6.8	6.8	3 25 84	6.8	4 17 87	6.8	.. .. ..	...
1441	43	"	54.3	22 13	4	7.0	7.0	4 3 88	7.05	4 6 88	7.0	4 8 88	7.0
1442	...	*Hydræ*	54.7	8 42	4	7.05	7.1	4 27 84	6.9	4 20 87	7.0	4 3 88	7.0
1443	...	"	55.0	8 44	4	7.1	7.1	4 27 84	7.0	4 20 87	7.1	4 3 88	7.1
1444	44	*Pyxidis*	55.0	20 44	3	7.05	7.0	4 6 88	7.0	4 8 88	7.05	4 19 89	7.05
1445	45	"	55.4	23 40	3	7.0	7.0	4 6 88	7.0	4 8 88	7.0	4 19 89	7.0
1446	92	*Hydræ*	55.6	0 0	3	6.05	6.2	4 27 84	6.0	4 20 87	6.1	4 3 88	6.0
1447	46	*Pyxidis*	55.8	26 10	3	6.75	6.8	3 25 84	6.8	4 19 87	6.75	4 3 88	6.75
1448	...	"	56.4	26 5	4	7.15	7.3	3 25 84	7.1	3 6 85	7.2	4 19 87	7.2
1449	91	*Hydræ*	57.3	3 58	7	7.1	6.8	4 27 84	6.8	4 20 87	7.0	5 9 87	7.2
1450	93	"	57.5	4 41	3	6.95	6.7	4 27 84	6.9	4 20 87	6.9	4 28 89	7.0
1451	47	*Pyxidis*	57.7	25 1	4	6.9	6.9	3 25 84	6.8	4 19 87	6.9	4 3 88	6.9
1452	94	*Hydræ*	8 58.0	17 0	4	6.95	7.0	4 14 84	6.9	3 26 87	6.95	4 3 88	7.0
1453	98	"	9 1.1	17 42	3	6.9	6.9	4 14 84	6.9	3 26 87	6.95	4 28 89	6.85
1454	99	"	2.6	8 5	4	5.8	5.8	4 13 84	5.7	4 17 85	5.9	4 20 87	5.8
1455	50	*Pyxidis*	2.6	25 21	9	4.9	4.9	3 25 84	4.8	3 7 86	5.0	4 26 86	4.8
1456	100	*Hydræ*	2.9	15 46	2	6.9	6.8	4 14 84	6.9	3 26 87	6.9	.. .. ..	...
1457	101	"	3.2	11 51	3	6.25	6.2	4 13 84	6.2	4 14 84	6.3	3 26 87	6.2
1458	51	*Pyxidis*	3.2	25 20	3	7.1	6.9	3 25 84	7.3	3 6 85	7.1	4 19 87	7.0
1459	52	"	3.3	26 16	6	6.5	6.5	3 25 84	6.5	4 26 86	6.5	4 29 86	6.5
1460	102	*Hydræ*	3.3	17 49	5	6.15	6.2	4 14 84	6.3	3 26 87	6.2	4 3 88	6.0
1461	103	"	3.5	8 17	4	5.85	5.7	4 13 84	5.9	4 14 84	5.9	4 17 85	5.8
1462	...	"	4.3	16 21	2	7.1	7.1	4 14 84	7.1	3 26 87	7.1	.. .. ..	...
1463	53	*Pyxidis*	4.3	29 19	3	6.85	7.0	3 25 84	6.8	4 17 87	6.8	4 3 88	7.0
1464	54	"	4.3	25 18	3	7.0	7.0	3 25 84	7.0	4 19 87	7.0	4 3 88	7.0
1465	55	"	4.7	29 51	3	6.1	6.0	3 25 84	6.15	4 17 87	6.1	4 28 89	6.0
1466	56	"	4.8	22 40	3	6.7	6.7	4 3 88	6.65	4 6 88	6.7	4 8 88	6.8
1467	106	*Hydræ*	6.3	6 36	3	6.35	6.3	4 13 84	6.4	4 17 85	6.3	4 3 88	6.3
1468	107	"	6.3	19 14	2	6.4	6.4	4 14 84	6.4	3 26 87	6.4	.. .. ..	...
1469	57	*Pyxidis*	7.0	28 26	3	6.85	6.8	3 25 84	7.0	4 17 87	6.8	4 19 87	6.8
1470	58	"	8.0	29 9	2	6.8	7.0	3 25 84	6.8	4 17 87	6.8	.. .. ..	...
1471	109	*Hydræ*	8.1	14 11	6	6.8	6.7	4 13 84	7.0	4 29 86	6.6	3 26 87	6.8
1472	110	"	8.5	1 4	3	6.75	6.7	4 14 84	6.7	4 17 85	6.8	4 3 88	6.8
1473	111	"	9.5	14 30	4	6.4	6.5	4 13 84	6.4	4 29 86	6.4	3 26 87	6.5
1474	112	"	9 10.5	5 50	3	5.8	5.6	4 13 84	5.7	4 17 85	5.9	4 20 87	5.8

No.	U. A. No.	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U. A.	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. *m.*	° ′									
1475	113	*Hydræ*	9 10.5	−13 19	4	6.95	6.8	4 13 84	7.0	4 29 86	6.9	3 26 87	6.85
1476	114	"	10.6	8 13	3	5.7	6.0	4 13 84	5.7	4 17 85	5.7	4 3 88	5.75
1477	117	"	10.9	10 35	3	6.65	6.8	4 13 84	6.7	4 17 85	6.6	4 3 88	6.7
1478	118	"	11.2	14 3	4	6.15	6.1	4 13 84	6.2	4 29 86	6.1	3 26 87	6.1
1479	...	"	13.1	16 17	3	6.7	6.9	4 13 84	6.7	3 26 87	6.6	4 3 88	6.85
1480	120	"	13.5	10 47	3	6.65	6.6	4 13 84	6.7	4 17 85	6.6	4 3 88	6.7
1481	121	"	13.7	15 18	4	6.0	6.0	4 13 84	5.9	4 29 86	6.0	3 26 87	6.05
1482	122	"	13.8	11 27	3	5.3	5.3	4 13 84	5.3	4 17 85	5.3	3 6 86	5.25
1483	124	"	14.4	9 2	2	5.2	5.2	4 13 84	5.2	4 17 85	5.2	.. .. ..	...
1484	126	"	15.0	15 5	4	6.65	6.7	4 13 84	6.7	4 29 86	6.6	3 26 87	6.55
1485	127	"	15.4	2 16	4	6.8	6.8	4 14 84	6.7	4 17 85	6.8	4 3 88	6.9
1486	61	*Pyxidis*	16.0	25 26	5	5.5	5.2	3 25 84	5.5	3 7 86	5.5	4 26 86	5.45
1487	128	*Hydræ*	16.6	14 42	4	6.85	6.9	4 13 84	6.7	4 29 86	6.9	3 26 87	6.9
1488	129	"	16.8	9 18	3	6.75	6.7	4 13 84	6.7	4 17 85	6.8	4 3 88	6.7
1489	62	*Pyxidis*	17.8	28 18	5	5.25	5.3	3 25 84	5.3	3 7 86	5.15	4 26 86	5.2
1490	133	*Hydræ*	18.6	3 45	6	6.95	7.0	4 14 84	6.7	4 17 85	7.1	4 20 87	7.0
1491	134	"	19.2	4 35	3	6.2	6.0	4 14 84	6.2	4 6 85	6.2	4 17 85	6.2
1492	...	"	19.2	5 52	4	7.0	...	4 17 85	7.0	4 20 87	7.0	4 6 88	6.95
1493	135	"	19.7	0 42	4	6.8	7.0	4 14 84	6.7	4 17 85	6.8	4 3 88	6.9
1494	136	"	20.0	0 56	4	6.5	6.4	4 14 84	6.5	4 6 85	6.5	4 17 85	6.5
1495	65	*Pyxidis*	20.1	24 48	2	6.9	6.9	4 26 86	6.9	4 29 86	6.9	.. .. ..	...
1496	138	*Hydræ*	21.0	18 37	4	7.0	7.0	3 25 84	7.0	4 26 86	6.9	3 26 87	7.0
1497	...	*Pyxidis*	21.0	23 38	2	6.9	6.9	3 26 87	6.9	4 13 88	6.9	.. .. ..	...
1498	139	*Hydræ*	21.1	8 41	3	6.85	6.7	4 13 84	6.8	4 13 87	6.9	4 3 88	6.8
1499	66	*Pyxidis*	21.3	28 15	6	6.5	6.5	4 26 86	6.5	4 29 86	6.5	4 13 87	6.5
1500	140	*Hydræ*	21.5	8 7	3	2.05	2.1	4 29 86	2.0	4 8 88	2.1	4 28 89	2.0
1501	141	*Hydræ*	21.6	21 48	4	5.4	5.1	3 25 84	5.4	4 26 86	5.3	3 26 87	5.4
1502	142	"	21.6	5 32	3	5.7	5.7	4 14 84	5.8	4 28 84	5.7	4 17 85	5.6
1503	3	*Leonis*	21.8	+ 8 44	4	6.15	6.3	6 5 86	5.9	5 12 87	6.2	5 14 87	6.2
1504	...	*Hydræ*	22.0	− 9 29	3	7.35	7.5	4 13 84	7.3	4 13 87	7.35	3 30 89	7.4
1505	143	"	22.2	9 27	2	7.0	6.9	4 13 84	7.0	4 13 87	7.0	.. .. ..	...
1506	144	"	22.7	0 43	3	6.6	6.5	4 14 84	6.6	4 17 85	6.6	4 3 88	6.6
1507	145	"	22.8	2 13	5	4.7	4.8	4 14 84	4.6	4 17 85	4.7	3 6 86	4.9
1508	146	"	23.1	1 40	4	6.35	6.6	4 14 84	6.3	4 6 85	6.3	4 17 85	6.4
1509	147	"	23.3	3 42	4	6.6	6.7	4 14 84	6.7	4 17 85	6.5	4 20 87	6.55
1510	148	"	23.5	20 12	5	6.3	6.4	3 25 84	6.4	4 26 86	6.3	3 26 87	6.25
1511	149	"	24.2	22 48	3	6.95	6.8	3 25 84	7.0	4 26 86	6.9	3 26 87	6.9
1512	3	*Antliæ*	24.4	26 3	5	5.9	6.0	3 25 84	5.9	3 7 86	5.9	4 26 86	5.9
1513	5	"	24.5	27 42	12	7.4	7.0	3 25 84	7.3	4 26 86	7.1	4 29 86	7.1
1514	...	"	24.6	23 44	2	7.0	...	3 26 87	7.0	4 13 88	7.0	.. .. ..	...
1515	150	*Hydræ*	24.5	15 2	5	6.25	6.3	4 14 84	6.4	4 13 87	6.2	5 9 87	6.2
1516	...	"	24.7	5 7	4	7.0	...	4 17 85	7.1	4 20 87	7.0	5 9 87	7.0
1517	7	*Antliæ*	25.2	28 13	4	7.0	7.0	3 25 84	7.0	4 26 86	7.0	4 29 86	7.0
1518	152	*Hydræ*	25.6	0 38	5	4.85	4.8	4 14 84	4.9	4 17 85	4.9	3 6 86	4.8
1519	153	"	25.6	10 0	2	6.5	6.5	4 13 84	6.5	4 13 87	6.5	.. .. ..	...
1520	154	"	25.9	9 49	3	6.55	6.4	4 13 84	6.5	4 13 87	6.55	3 30 89	6.55
1521	156	"	26.5	18 51	4	6.1	6.1	3 25 84	6.0	2 26 86	6.1	3 26 87	6.1
1522	12	*Antliæ*	26.8	28 5	4	var.	6.9	3 25 84	6.8	4 26 86	6.8	4 29 86	6.8
1523	157	*Hydræ*	26.9	7 57	3	6.65	6.5	4 13 84	6.7	4 6 85	6.7	4 17 85	6.6
1524	158	"	26.9	12 58	4	6.6	6.6	4 14 84	6.5	4 13 87	6.6	4 20 87	6.65
1525	159	"	27.2	6 38	5	6.65	6.6	4 14 84	6.7	4 17 85	6.5	4 17 87	6.7
1526	160	"	27.5	20 34	3	5.7	5.6	3 25 84	5.8	4 26 86	5.6	3 26 87	5.7
1527	161	"	9 27.6	20 50	4	6.95	7.0	3 25 84	7.0	4 26 86	6.9	3 26 87	7.0

No.	U. A. No.	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U. A.	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. *m.*	° ′									
1528	162	*Hydræ*	9 27.8	−22 19	3	6.3	6.3	3 25 84	6.3	4 26 86	6.4	3 26 87	6.25
1529	163	"	28.3	5 21	4	6.0	6.0	4 14 84	6.0	4 28 84	6.0	4 17 85	5.9
1530	164	"	28.8	11 34	3	6.75	6.8	4 14 84	6.7	4 13 87	6.75	4 6 88	6.75
1531	165	"	29.8	19 1	4	6.55	6.6	3 25 84	6.5	4 26 86	6.6	3 26 87	6.45
1532	15	*Antliæ*	30.9	24 9	5	6.8	6.8	3 25 84	6.8	4 26 86	6.8	4 29 86	6.8
1533	16	"	31.4	24 44	6	6.3	6.4	3 25 84	6.15	4 26 86	6.4	4 29 86	6.4
1534	166	*Hydræ*	31.5	2 37	4	6.8	6.8	4 14 84	6.7	4 17 85	6.8	4 6 88	6.9
1535	167	"	31.7	8 52	2	6.7	6.7	4 13 84	6.7	4 6 85	6.7	.. .. ..	...
1536	169	"	33.1	17 4	2	6.8	6.7	4 14 84	6.8	4 26 86	6.8	.. .. ..	...
1537	170	"	33.5	0 35	6	4.2	3.9	4 14 84	3.9	4 17 85	4.2	3 6 86	4.2
1538	171	"	33.7	10 0	3	6.5	6.5	4 13 84	6.5	4 13 87	6.55	3 30 89	6.45
1539	172	"	34.2	10 12	3	6.5	6.7	4 13 84	6.5	4 13 84	6.5	3 30 89	6.5
1540	173	"	34.3	13 46	4	5.4	5.4	4 14 84	5.3	4 22 86	5.4	3 6 86	5.4
1541	174	"	35.6	23 1	4	5.05	5.2	3 25 84	5.0	4 26 87	5.1	3 26 87	5.1
1542	21	*Antliæ*	36.4	29 44	3	7.0	7.0	3 25 84	7.0	4 13 86	6.95	4 6 88	7.05
1543	175	*Hydræ*	36.6	23 22	4	5.3	5.4	3 25 84	5.2	4 26 86	5.3	3 26 87	5.4
1544	176	"	37.7	19 48	3	6.95	7.0	3 25 84	7.0	4 26 87	6.9	4 6 88	6.95
1545	23	*Antliæ*	38.6	27 12	5	5.05	5.1	3 25 84	5.0	4 13 84	5.0	3 7 86	5.0
1546	25	"	39.9	29 38	3	6.7	6.7	3 25 84	6.7	4 13 87	6.7	4 6 88	6.7
1547	2	*Sextantis*	41.0	9 57	3	7.0	6.9	4 28 84	6.9	4 13 87	7.05	4 24 87	7.0
1548	3	"	41.1	10 10	2	6.9	7.0	4 28 84	6.9	4 13 87	6.9	.. .. ..	...
1549	4	"	42.0	6 40	4	6.9	6.8	4 28 84	7.0	4 13 87	6.9	4 8 88	6.75
1550	5	"	42.6	9 20	4	6.9	6.8	4 28 84	7.0	4 13 87	6.9	4 8 88	6.85
1551	6	"	43.1	8 15	4	7.0	7.0	4 28 84	7.0	4 13 87	7.05	4 24 87	7.0
1552	30	*Antliæ*	43.1	25 50	8	6.95	6.9	3 25 84	7.0	4 13 84	7.1	4 13 87	6.95
1553	177	*Hydræ*	43.5	11 12	4	6.9	7.0	4 28 84	6.8	4 13 87	6.9	4 6 88	7.0
1554	8	*Sextantis*	44.9	3 40	2	6.2	6.2	4 28 84	6.2	4 13 87	6.2	.. .. ..	...
1555	9	"	45.1	5 36	3	6.65	6.6	4 28 84	6.65	4 13 87	6.6	3 30 89	6.75
1556	178	*Hydræ*	45.5	14 16	6	4.2	4.0	4 14 84	4.2	4 22 84	3.9	3 6 86	4.2
1557	10	*Sextantis*	45.6	10 45	3	6.8	6.8	4 28 84	6.8	4 13 87	6.9	4 8 88	6.75
1558	179	*Hydræ*	46.0	15 57	2	6.7	6.6	4 13 84	6.7	4 6 85	6.7	.. .. ..	...
1559	13	*Sextantis*	46.3	7 31	4	5.3	5.4	4 22 84	5.2	4 28 84	5.3	4 22 86	5.3
1560	15	"	47.2	9 19	3	7.0	7.0	4 28 84	7.0	4 13 87	6.9	4 8 88	7.05
1561	33	*Antliæ*	47.4	26 45	7	6.6	6.6	4 13 84	6.4	4 13 87	6.6	4 19 87	6.65
1562	34	"	48.5	27 25	8	6.85	7.0	3 25 84	6.4	4 13 84	7.1	4 13 87	6.7
1563	180	*Hydræ*	48.5	12 21	3	6.8	6.7	4 28 84	6.8	4 20 87	6.75	4 6 88	6.8
1564	181	"	48.6	25 21	3	5.35	5.3	3 25 84	5.3	4 13 84	5.4	4 6 88	5.35
1565	182	"	48.7	21 54	5	6.5	6.3	3 25 84	6.7	4 13 84	6.4	4 26 86	6.4
1566	183	"	49.0	18 25	3	5.6	5.6	4 13 84	5.7	4 26 86	5.5	4 20 87	5.6
1567	184	"	49.0	15 36	5	7.0	6.9	4 13 84	7.1	4 20 87	6.95	5 9 87	7.05
1568	17	*Sextantis*	49.6	8 15	3	6.7	6.8	4 28 84	6.65	4 13 87	6.75	4 8 88	6.75
1569	18	"	49.9	7 3	2	6.9	6.9	4 28 84	6.9	4 13 87	6.9	.. .. ..	...
1570	185	*Hydræ*	51.1	25 57	8	6.55	6.6	3 25 84	6.7	4 13 84	6.4	4 13 87	6.6
1571	37	*Antliæ*	51.3	26 53	9	6.55	6.7	3 25 84	6.4	4 13 84	6.4	4 6 85	6.4
1572	20	*Sextantis*	51.4	1 21	5	6.55	6.7	4 28 84	6.65	4 21 87	6.6	4 8 88	6.55
1573	186	*Hydræ*	51.7	15 56	3	6.95	7.0	4 13 84	6.9	4 6 85	6.9	4 28 89	7.0
1574	187	"	52.5	24 32	5	6.95	6.9	3 25 84	7.0	4 13 84	7.0	4 26 86	6.9
1575	188	"	53.3	23 21	7	6.35	6.2	3 25 84	6.4	4 13 84	6.3	4 6 85	6.4
1576	189	"	53.4	19 46	3	6.9	6.8	4 13 84	6.9	4 14 87	6.95	4 28 89	6.9
1577	22	*Sextantis*	56.4	0 28	3	6.9	6.9	4 28 84	7.0	4 21 87	6.8	4 24 87	6.95
1578	190	*Hydræ*	56.7	19 49	4	6.9	6.7	4 13 84	6.8	4 14 87	6.9	4 6 88	6.95
1579	39	*Antliæ*	57.2	29 59	3	6.9	6.8	4 13 87	6.9	4 19 87	6.9	4 20 87	6.9
1580	23	*Sextantis*	9 57.5	8 58	9	6.65	6.4	4 28 84	6.4	4 21 87	6.8	4 24 87	6.5

REESE LIBRARY OF THE UNIVERSITY OF CALIFORNIA

No.	U. A. No.	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obe'd	Mag. U. A.	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. m.	° ′									
1581	191	*Hydræ*	9 57.9	−24 43	5	6.8	6.8	3 25 84	7.0	4 13 84	6.7	4 26 86	6.75
1582	192	"	58.1	17 30	3	6.1	6.3	4 13 84	6.1	4 13 87	6.1	4 8 88	6.15
1583	193	"	58.6	23 41	8	6.0	6.1	3 25 84	5.9	4 13 84	5.9	4 6 85	5.9
1584	...	*Antliæ*	58.6	27 46	3	7.35	7.5	3 25 84	7.35	4 13 87	7.3	4 6 88	7.35
1585	194	*Hydræ*	59.0	12 28	34	4.7	4.6	4 22 84	4.7	3 6 86	4.65	4 6 88	4.85
1586	41	*Antliæ*	59.2	27 35	3	7.0	6.9	3 25 84	7.0	4 13 87	6.95	4 6 88	7.0
1587	42	"	9 59.5	27 35	3	7.0	6.9	3 25 84	7.0	4 13 87	6.95	4 6 88	7.0
1588	...	*Hydræ*	10 0.9	16 50	3	6.75	...	4 13 84	6.8	4 13 87	6.7	4 8 88	6.7
1589	195	"	1.2	16 32	4	6.25	6.0	4 13 84	6.1	4 13 87	6.25	5 9 87	6.3
1590	196	"	1.2	20 39	2	6.8	6.9	4 13 84	6.8	4 14 87	6.8	.. .. ..	...
1591	...	*Sextantis*	1.2	7 7	4	7.3	7.4	4 28 84	7.2	4 21 87	7.2	3 23 90	7.4
1592	26	"	1.5	7 1	3	6.95	6.8	4 28 84	7.0	4 21 87	6.95	4 28 89	6.9
1593	27	"	1.6	+ 0 14	4	4.5	4.9	4 17 85	4.5	3 6 86	4.6	4 21 87	4.4
1594	29	"	2.6	−10 16	3	6.65	6.6	4 22 84	6.6	4 6 85	6.7	4 21 87	6.7
1595	197	*Hydræ*	2.6	15 0	2	6.6	6.7	4 13 84	6.6	4 6 85	6.6	.. .. ..	...
1596	...	"	3.1	14 52	2	7.4	7.5	4 13 84	7.4	4 20 87	7.4	.. .. ..	...
1597	198	"	3.3	17 31	4	6.9	6.9	4 13 84	7.0	4 13 87	6.9	4 8 88	6.85
1598	199	"	3.8	11 29	3	6.65	6.9	4 22 84	6.6	4 6 85	6.7	5 9 87	6.6
1599	31	*Sextantis*	3.9	7 48	7	6.05	6.2	4 28 84	6.1	4 22 86	6.3	4 21 87	5.9
1600	200	*Hydræ*	4.0	12 12	2	6.0	5.9	4 22 84	6.0	4 20 87	6.0	.. .. ..	...
1601	201	"	4.5	11 44	4	3.4	3.4	4 14 84	3.4	4 22 84	3.4	3 6 86	3.4
1602	202	"	4.6	17 59	4	6.9	6.9	4 13 84	7.0	4 13 87	6.9	4 8 88	6.85
1603	32	*Sextantis*	4.7	7 48	2	6.0	5.9	4 28 84	6.0	4 22 86	6.0	.. .. ..	...
1604	33	"	5.1	6 42	2	6.4	6.3	4 28 84	6.4	4 22 86	6.4	. .. ..	...
1605	203	*Hydræ*	5.4	18 20	3	6.9	6.9	4 13 84	6.9	4 13 87	6.9	4 8 88	6.85
1606	53	*Antliæ*	6.4	27 59	2	6.4	6.4	3 25 84	6.4	4 13 87	6.4	.. .. ..	...
1607	204	*Hydræ*	6.7	18 32	3	6.7	6.7	4 13 84	6.7	4 13 87	6.7	4 8 88	6.75
1608	..	"	7.1	19 4	4	6.95	...	4 13 87	7.0	4 20 87	6.9	4 8 88	6.85
1609	205	"	7.6	26 25	2	6.4	6.4	3 25 84	6.4	4 13 87	6.4	.. .. ..	...
1610	206	"	8.3	23 12	5	6.8	6.8	4 16 85	6.6	4 26 86	6.85	4 14 87	6.9
1611	35	*Sextantis*	10.0	10 35	3	6.6	6.5	4 22 84	6.6	4 6 85	6.7	4 21 87	6.5
1612	207	*Hydræ*	10.6	18 41	3	6.75	6.7	4 13 84	6.8	4 13 87	6.7	4 8 88	6.75
1613	208	"	10.9	20 3	4	6.7	6.7	4 13 84	6.8	4 13 87	6.7	4 8 88	6.65
1614	36	*Sextantis*	11.4	7 27	4	5.6	5.6	4 28 84	5.55	4 22 86	5.7	4 21 87	5.75
1615	59	*Antliæ*	12.4	28 22	4	5.8	5.8	3 25 84	5.8	4 13 87	5.9	4 8 88	5.6
1616	209	*Hydræ*	13.1	11 54	4	6.35	6.4	4 22 84	6.3	4 20 87	6.35	4 8 88	6.45
1617	37	*Sextantis*	13.3	4 29	2	6.7	6.6	4 28 84	6.7	4 21 87	6.7	.. .. ..	...
1618	...	"	13.3	4 36	3	7.45	7.5	4 28 84	7.4	4 21 87	7.5	4 28 89	7.5
1619	38	"	13.8	8 26	4	6.45	6.6	4 28 84	6.55	4 22 86	6.4	4 21 87	6.4
1620	...	"	14.5	4 45	4	7.0	7.1	4 28 84	7.15	4 21 87	6.9	4 24 87	7.0
1621	40	"	14.8	4 47	4	6.95	6.9	4 28 84	7.05	4 21 87	6.9	4 24 87	6.9
1622	210	*Hydræ*	15.1	17 21	3	6.8	6.8	4 13 84	6.8	4 19 87	6.8	4 8 88	6.85
1623	211	"	15.1	13 10	4	6.7	6.7	4 22 84	6.7	4 16 85	6.7	4 20 87	6.7
1624	212	"	15.5	24 45	5	6.9	7.0	4 16 85	7.0	4 26 86	6.85	4 14 87	6.8
1625	213	"	15.6	23 5	5	6.55	6.6	4 16 85	6.6	4 26 86	6.6	4 14 87	6.5
1626	214	"	15.7	21 54	5	6.6	6.5	4 16 85	6.6	4 26 86	6.6	4 14 87	6.6
1627	215	"	16.0	17 24	4	7.0	7.0	4 13 84	6.9	4 19 87	7.0	4 8 88	7.05
1628	216	"	16.1	12 47	3	6.9	6.8	4 22 84	6.9	4 20 87	6.85	4 8 88	6.9
1629	217	"	16.2	19 14	3	6.45	6.5	4 13 84	6.4	4 13 87	6.45	4 8 88	6.45
1630	218	"	17.1	23 42	4	6.85	6.8	4 16 85	6.9	4 14 87	6.8	4 20 87	6.8
1631	42	*Sextantis*	17.1	0 16	4	6.8	6.7	4 28 84	6.7	4 21 87	6.9	4 24 87	6.7
1632	43	"	17.1	3 27	4	6.15	6.2	4 28 84	6.2	4 21 87	6.1	4 24 87	6.05
1633	44	"	10 17.2	3 1	3	6.95	6.8	4 28 84	6.9	4 21 87	6.9	4 9 88	7.0

No.	U. A. No.	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U. A.	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. *m.*	° ′									
1634	219	*Hydræ*	10 17.2	−12 45	4	6.8	6.7	4 22 84	6.9	4 20 87	6.7	5 9 87	6.9
1635	63	*Antliæ*	17.5	29 32	5	6.55	6.6	3 25 84	6.3	4 13 87	6.6	4 19 87	6.5
1636	47	*Sextantis*	19.5	6 26	4	6.1	6.0	4 28 84	6.2	4 21 87	6.05	4 24 87	6.1
1637	220	*Hydræ*	19.6	28 34	5	7.1	6.9	3 25 84	7.1	4 13 87	6.9	5 12 87	7.1
1638	50	*Sextantis*	20.0	5 48	5	6.9	6.9	4 28 84	6.7	4 21 87	6.9	4 24 87	6.95
1639	221	*Hydræ*	20.1	16 12	4	4.05	4.0	4 22 84	4.2	3 6 86	3.95	4 22 86	4.0
1640	51	*Sextantis*	20.2	0 21	4	6.8	6.8	4 28 84	6.9	4 21 87	6.8	4 9 88	6.7
1641	52	"	20.5	3 45	4	6.8	6.8	4 28 84	6.7	4 21 87	6.8	4 9 88	6.85
1642	222	*Hydræ*	21.4	17 39	3	6.95	7.0	4 13 84	6.9	4 19 87	7.0	4 8 88	6.95
1643	67	*Antliæ*	21.4	30 26	3	4.6	4.4	3 25 84	4.5	4 19 87	4.7	4 8 88	4.6
1644	53	*Sextantis*	22.4	3 6	3	6.4	6.3	4 28 84	6.4	4 21 87	6.4	4 9 88	6.35
1645	223	*Hydræ*	22.6	18 53	3	6.95	7.0	4 13 84	6.9	4 19 87	7.0	4 8 88	6.95
1646	54	*Sextantis*	23.1	2 6	5	5.45	5.5	4 28 84	5.35	4 17 85	5.4	3 6 86	5.5
1647	224	*Hydræ*	23.7	29 2	6	6.2	6.0	3 25 84	6.3	4 6 85	6.2	4 13 87	6.2
1648	68	*Antliæ*	23.8	29 58	5	5.7	6.0	3 25 84	5.9	4 6 85	5.8	4 13 87	5.75
1649	56	*Sextantis*	23.9	+ 0 0	3	5.2	5.2	4 28 84	5.1	4 17 85	5.3	3 6 86	5.2
1650	58	"	24.7	− 7 0	4	6.6	6.6	4 28 84	6.5	4 21 87	6.55	4 27 87	6.6
1651	225	*Hydræ*	24.9	12 57	8	5.8	5.9	4 22 84	5.6	4 22 86	5.9	4 17 87	5.5
1652	226	"	25.0	25 51	3	6.75	6.6	3 25 84	6.7	4 14 87	6.8	4 8 88	6.75
1653	227	"	26.0	27 36	5	6.4	6.4	3 25 84	6.3	4 6 85	6.5	4 14 87	6.6
1654	60	*Sextantis*	26.2	5 26	4	6.95	7.0	4 28 84	6.9	4 21 87	7.15	4 24 87	6.9
1655	228	*Hydræ*	27.0	21 53	3	6.9	6.8	4 16 85	6.9	4 26 86	6.85	4 8 88	6.9
1656	229	"	27.1	12 46	4	6.9	7.0	4 22 84	6.7	4 22 86	6.9	4 17 87	6.95
1657	230	"	28.1	23 6	3	5.75	5.6	4 16 85	5.8	4 26 86	5.7	4 8 88	5.7
1658	61	*Sextantis*	28.5	3 15	3	6.7	6.8	4 28 84	6.7	4 21 87	6.7	4 9 88	6.7
1659	231	*Hydræ*	29.0	22 32	4	6.4	6.5	4 16 85	6.3	4 26 86	6.6	4 14 87	6.3
1660	232	"	29.2	12 13	3	6.8	6.9	4 22 84	6.8	4 22 86	6.8	4 17 87	6.8
1661	233	"	29.6	17 55	3	6.65	6.7	4 22 84	6.65	4 19 87	6.65	4 8 88	6.7
1662	63	*Sextantis*	30.1	9 56	4	6.7	6.8	5 16 84	6.6	4 22 86	6.8	4 21 87	6.7
1663	234	*Hydræ*	30.2	15 42	2	6.65	6.6	4 22 84	6.65	4 19 87	6.65	.. .. ..	...
1664	235	"	30.2	26 2	7	6.5	6.6	3 25 84	6.3	4 6 85	6.5	4 14 87	6.6
1665	236	"	30.3	11 34	4	6.2	6.2	4 22 84	6.1	4 22 86	6.3	4 17 87	6.2
1666	237	"	30.8	28 8	3	6.95	7.0	3 25 84	6.9	4 14 87	7.0	4 8 88	6.9
1667	64	*Sextantis*	30.8	8 11	3	6.9	7.0	5 16 84	6.9	4 21 87	6.9	4 27 87	6.9
1668	238	*Hydræ*	30.9	27 1	4	6.95	7.0	3 25 84	6.9	4 14 87	6.9	4 8 88	7.05
1669	239	"	31.0	11 6	3	6.8	6.8	4 22 84	6.8	4 22 86	6.8	4 17 87	6.8
1670	240	"	31.4	12 44	..	var.	var.	4 22 84	5.9	4 22 86	6.1	4 17 87	5.9
1671	241	"	31.4	26 46	3	5.2	5.3	3 25 84	5.2	4 26 86	5.2	4 8 88	5.25
1672	242	"	32.5	16 14	4	5.2	5.3	4 22 84	5.15	4 22 86	5.2	4 9 88	5.25
1673	243	"	32.7	11 48	4	6.4	6.4	4 22 84	6.4	4 22 86	6.5	4 17 87	6.5
1674	65	*Sextantis*	35.1	1 5	3	6.65	6.5	5 16 84	6.6	4 21 87	6.7	4 9 88	6.6
1675	244	*Hydræ*	36.0	13 8	2	7.0	6.9	4 22 84	7.0	4 20 87	7.0	.. .. ..	...
1676	67	*Sextantis*	36.2	8 5	4	6.9	6.9	5 16 84	6.9	4 21 87	6.95	4 27 87	6.95
1677	245	*Hydræ*	36.4	13 19	4	6.8	6.8	4 22 84	6.95	4 20 87	6.9	4 9 88	6.7
1678	246	"	36.9	22 54	3	6.95	6.9	4 16 85	6.9	4 14 87	7.0	4 8 88	6.95
1679	248	"	38.5	23 20	3	6.9	7.0	4 16 85	6.9	4 14 87	6.9	4 8 88	6.9
1680	249	"	40.8	16 38	5	5.7	5.8	4 24 84	5.8	4 22 86	5.65	5 9 87	5.8
1681	250	"	40.8	25 24	3	6.95	6.9	4 16 85	7.0	4 14 87	6.9	4 8 88	6.95
1682	251	"	41.5	14 36	4	6.5	6.7	4 22 84	6.4	4 20 87	6.5	4 9 88	6.6
1683	...	"	41.5	14 35	3	7.3	7.3	4 22 84	7.4	4 20 87	7.25	4 9 88	7.25
1684	70	*Sextantis*	42.3	1 18	2	6.35	6.4	5 16 84	6.35	4 21 87	6.35	.. .. ..	...
1685	71	"	42.7	8 26	5	7.1	6.9	5 16 84	7.0	4 21 87	7.1	4 24 87	7.2
1686	72	"	10 43.0	3 22	3	6.65	6.7	5 16 84	6.6	4 21 87	6.7	4 9 88	6.6

No.	U. A. No.	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U. A.	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h m.	° ′									
1687	253	*Hydræ*	10 43.0	−27 16	4	6.95	7.0	4 16 85	7.0	4 14 87	6.9	4 8 88	7.05
1688	254	"	43.5	15 33	5	3.1	3.0	4 22 84	2.9	4 26 84	3.2	3 6 86	2.9
1689	73	*Sextantis*	43.5	9 11	3	6.4	6.4	5 16 84	6.4	4 21 87	6.35	4 27 87	6.4
1690	74	"	44.0	8 14	5	6.05	6.0	5 16 84	6.2	4 21 87	6.1	4 27 87	6.1
1691	75	"	44.7	2 26	2	6.35	6.4	5 16 84	6.35	4 21 87	6.35	.. .. ..	...
1692	255	*Hydræ*	45.0	17 40	3	6.85	6.8	4 22 84	6.9	4 20 87	6.8	4 9 88	6.85
1693	256	"	47.0	19 57	3	7.1	7.0	4 22 84	7.1	4 20 87	7.1	4 9 88	7.05
1694	20	*Leonis*	47.1	1 35	3	6.4	6.5	5 16 84	6.35	4 21 87	6.35	4 30 89	6.45
1695	21	"	47.4	1 28	4	5.95	5.9	5 16 84	6.0	6 5 86	5.9	4 21 87	5.9
1696	257	*Hydræ*	47.4	19 28	5	5.55	5.4	4 22 84	5.5	4 22 86	5.4	4 9 88	5.6
1697	1	*Crateris*	47.4	14 47	5	6.75	6.8	4 26 84	6.7	4 21 87	6.75	4 22 87	6.7
1698	2	"	48.1	13 6	5	6.0	6.1	4 26 84	6.0	4 21 87	6.0	4 22 87	6.1
1699	258	*Hydræ*	49.1	20 0	3	6.85	6.9	4 22 84	6.9	4 20 87	6.9	4 9 88	6.8
1700	3	*Crateris*	52.8	18 56	5	7.0	7.0	4 26 84	6.9	4 21 87	7.0	4 22 87	7.0
1701	4	"	53.3	15 41	4	6.6	6.4	4 26 84	6.7	4 21 87	6.55	4 22 87	6.5
1702	5	"	53.7	17 38	4	4.4	4.4	4 26 84	4.4	3 6 86	4.4	4 22 86	4.4
1703	6	"	54.0	13 25	5	6.35	6.3	4 26 84	6.4	4 21 87	6.3	4 22 87	6.3
1704	7	"	54.8	15 7	4	6.65	6.7	4 26 84	6.5	4 21 87	6.75	4 22 87	6.65
1705	260	*Hydræ*	54.8	31 10	3	6.35	6.3	4 22 84	6.35	4 20 87	6.3	4 9 88	6.4
1706	28	*Leonis*	55.5	1 49	4	5.45	5.4	5 16 84	5.4	6 5 86	5.5	4 22 87	5.4
1707	29	"	56.3	2 50	4	7.0	7.0	5 16 84	7.05	6 5 86	7.0	4 9 88	6.95
1708	261	*Hydræ*	56.4	26 9	4	6.45	6.5	4 22 84	6.4	5 9 87	6.5	4 9 88	6.55
1709	30	*Leonis*	56.9	0 4	3	6.4	6.5	5 16 84	6.4	6 5 86	6.3	4 22 87	6.5
1710	262	*Hydræ*	57.0	24 54	3	6.8	6.7	4 22 84	6.8	5 9 87	6.75	4 9 88	6.8
1711	8	*Crateris*	57.0	10 37	3	5.75	5.7	4 26 84	5.7	4 21 87	5.75	4 9 88	5.75
1712	31	*Leonis*	57.2	+ 0 40	3	6.35	6.3	5 16 84	6.4	6 5 86	6.3	4 22 87	6.4
1713	263	*Hydræ*	57.3	−31 17	4	6.85	6.8	4 22 84	6.75	4 20 87	6.9	5 12 87	6.9
1714	9	*Crateris*	57.4	12 46	4	6.55	6.6	4 26 84	6.5	4 21 87	6.55	4 24 87	6.6
1715	10	"	57.8	18 59	4	6.7	6.7	4 26 84	6.6	4 21 87	6.75	4 22 87	6.75
1716	32	*Leonis*	57.9	0 36	3	6.95	6.9	5 16 84	6.9	6 5 86	7.0	4 22 87	6.9
1717	11	*Crateris*	59.3	10 25	3	6.25	6.2	4 26 84	6.2	4 21 87	6.3	4 9 88	6.25
1718	264	*Hydræ*	59.3	26 37	3	4.9	4.8	4 22 84	4.8	5 9 87	5.0	5 12 87	4.95
1719	265	"	10 59.9	26 37	4	6.2	6.4	4 22 84	6.0	5 12 87	6.3	5 14 87	6.2
1720	12	*Crateris*	11 0.5	12 20	5	6.6	6.6	4 26 84	6.5	4 21 87	6.55	4 24 87	6.6
1721	266	*Hydræ*	0.6	26 3	4	6.9	6.9	4 22 84	6.8	4 19 87	6.9	4 13 88	7.0
1722	267	"	0.9	29 53	5	6.95	6.9	4 22 84	7.1	4 19 87	6.9	5 12 87	6.9
1723	268	"	1.2	31 55	4	6.7	6.8	4 22 84	6.75	4 20 87	6.7	4 9 88	6.65
1724	35	*Leonis*	1.9	1 14	4	6.95	7.0	5 16 84	6.9	6 5 86	7.0	4 22 87	7.0
1725	269	*Hydræ*	2.0	29 30	4	6.65	6.7	4 22 84	6.7	4 19 87	6.6	4 13 88	6.5
1726	270	"	2.2	29 18	4	6.6	6.5	4 22 84	6.7	4 19 87	6.6	4 13 88	6.5
1727	271	"	2.7	27 24	3	5.7	5.8	4 22 84	5.7	5 12 87	5.6	4 13 88	5.75
1728	13	*Crateris*	2.8	18 44	4	6.8	6.8	4 26 84	6.85	4 21 87	6.8	4 22 87	6.8
1729	36	*Leonis*	2.9	0 39	3	6.95	6.9	5 16 84	6.9	6 5 86	7.0	4 22 87	6.9
1730	14	*Crateris*	3.9	6 42	2	6.9	6.7	5 16 84	6.9	4 22 87	6.9	.. .. ..	...
1731	272	*Hydræ*	3.9	31 41	6	6.0	5.9	4 22 84	5.85	4 20 87	5.9	4 9 88	6.0
1732	273	"	4.0	29 7	5	7.05	7.0	4 22 84	7.2	4 19 87	7.0	5 12 87	7.05
1733	15	*Crateris*	5.5	22 9	3	4.65	4.6	4 26 84	4.7	4 22 86	4.7	4 13 88	4.6
1734	274	*Hydræ*	5.9	26 8	4	6.8	6.9	4 22 84	6.8	5 12 87	6.7	4 13 88	7.0
1735	275	"	6.2	31 45	4	6.7	6.7	4 22 84	6.85	4 20 87	6.7	5 12 87	6.6
1736	16	*Crateris*	6.3	17 49	4	6.3	6.2	4 26 84	6.3	4 21 87	6.25	4 22 87	6.3
1737	17	"	6.4	21 4	3	6.7	6.8	4 26 84	6.7	4 21 87	6.8	4 30 89	6.65
1738	37	*Leonis*	7.4	+ 0 37	4	5.75	5.7	6 5 86	5.9	4 22 87	5.65	5 12 87	5.8
1739	18	*Crateris*	11 7.5	−22 19	2	6.9	6.9	4 26 84	6.9	4 21 87	6.9	.. .. ..	...

No.	U. A. No.	Name	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd	Mag. U. A.	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. m.	° ′									
1740	40	*Leonis*	11 8.2	− 0 35	4	7.0	7.0	5 16 84	6.9	6 5 86	7.0	4 22 87	7.0
1741	19	*Crateris*	9.1	18 57	4	6.6	6.7	4 26 84	6.7	4 21 87	6.55	4 22 87	6.6
1742	20	"	9.6	22 14	2	6.85	6.8	4 26 84	6.85	4 21 87	6.85	.. .. ..	...
1743	41	*Leonis*	9.8	2 48	4	7.1	6.9	5 16 84	7.1	6 5 86	7.0	4 21 87	7.2
1744	42	"	10.2	3 17	3	6.75	6.7	5 16 84	6.7	6 5 86	6.8	4 21 87	6.8
1745	43	"	10.3	2 58	5	4.2	4.2	5 16 84	4.4	6 5 86	4.05	5 12 87	4.1
1746	21	*Crateris*	10.7	6 27	2	6.1	6.0	5 16 84	6.1	4 22 87	6.1	.. .. ..	...
1747	22	"	12.5	23 40	2	6.85	6.9	4 26 84	6.85	4 21 87	6.85	.. .. ..	...
1748	...	*Leonis*	13.0	0 58	3	6.95	6.9	5 16 84	6.9	6 5 86	7.0	4 22 87	7.0
1749	23	*Crateris*	13.1	14 6	4	3.7	3.8	4 26 84	3.65	4 22 86	3.7	4 29 86	3.8
1750	24	"	14.2	9 37	3	6.9	6.9	5 16 84	7.0	4 22 87	6.8	5 12 87	6.9
1751	25	"	16.2	8 10	3	6.9	6.9	5 16 84	7.0	4 22 87	6.8	5 12 87	6.9
1752	26	"	17.2	18 6	5	5.3	5.4	4 26 84	5.3	4 22 86	5.1	4 22 87	5.3
1753	52	*Leonis*	18.0	5 13	3	6.85	7.0	5 16 84	6.9	6 5 86	6.8	4 22 87	6.9
1754	27	*Crateris*	18.3	10 10	4	5.45	5.5	5 16 84	5.55	6 5 86	5.3	4 22 87	5.55
1755	53	*Leonis*	18.6	1 31	3	6.75	6.8	5 16 84	6.7	6 5 86	6.8	4 22 87	6.8
1756	28	*Crateris*	18.7	17 0	2	4.0	4.2	4 26 84	4.0	4 22 86	4.0	.. .. ..	...
1757	29	"	19.6	13 4	2	6.9	7.0	5 16 84	6.9	4 22 87	6.9	.. .. ..	...
1758	30	"	19.8	19 54	5	6.8	6.6	5 16 84	6.7	4 21 87	6.7	4 22 87	6.9
1759	31	"	20.3	20 40	3	6.7	6.8	5 16 84	6.7	4 21 87	6.7	4 22 87	6.7
1760	32	"	20.9	11 40	4	6.05	6.1	5 16 84	6.2	4 22 87	6.0	5 14 87	6.0
1761	280	*Hydræ*	21.4	25 11	2	6.9	6.9	4 26 84	6.9	4 20 87	6.9	.. .. ..	...
1762	59	*Leonis*	21.5	1 1	4	6.6	6.6	5 16 84	6.6	6 5 86	6.6	4 22 87	6.6
1763	60	"	21.7	0 13	3	6.95	7.0	5 16 84	6.9	6 5 86	7.0	4 22 87	6.9
1764	282	*Hydræ*	23.4	27 21	3	7.0	7.0	4 26 84	7.0	4 20 87	6.9	4 13 88	7.1
1765	33	*Crateris*	23.4	23 47	4	6.15	5.9	4 26 84	6.0	5 12 87	6.2	5 14 87	6.2
1766	62	*Leonis*	23.9	2 19	4	5.15	5.3	5 16 84	5.25	6 5 86	5.3	4 30 89	5.0
1767	283	*Hydræ*	24.1	25 7	3	6.85	6.9	4 26 84	6.9	4 20 87	6.85	4 30 89	6.8
1768	...	*Crateris*	24.3	12 21	4	6.95	...	5 16 84	6.9	4 22 87	6.9	4 20 90	7.0
1769	63	*Leonis*	25.6	5 47	3	6.85	6.9	5 16 84	6.9	6 5 86	6.8	4 22 87	6.9
1770	34	*Crateris*	25.6	20 5	3	6.4	6.4	5 16 84	6.5	4 22 87	6.35	5 12 87	6.4
1771	284-5	*Hydræ*	26.1	28 35	3	5.25	5.2	4 22 84	5.25	4 20 87	5.25	4 13 88	5.25
1772	286	"	26.2	26 4	3	6.5	6.6	4 26 84	6.4	4 20 87	6.6	5 12 87	6.5
1773	35	*Crateris*	26.4	7 8	3	6.35	6.4	5 16 84	6.3	6 5 86	6.4	4 22 87	6.4
1774	287	*Hydræ*	26.7	30 24	4	5.75	5.8	4 22 84	5.7	4 20 87	5.75	4 9 88	5.7
1775	36	*Crateris*	27.0	15 35	5	6.25	6.3	5 16 84	6.3	4 21 87	6.1	4 22 87	6.3
1776	37	"	27.8	15 21	5	7.1	7.0	5 16 84	6.9	4 21 87	7.15	5 12 87	7.2
1777	66	*Leonis*	28.0	4 50	3	6.85	6.8	5 16 84	6.9	6 5 86	6.8	4 22 87	6.8
1778	67	"	28.6	3 40	3	6.85	6.7	5 16 84	6.9	6 5 86	6.8	4 22 87	6.85
1779	38	*Crateris*	30.4	9 7	6	4.85	5.0	5 16 84	4.9	6 5 86	5.2	5 12 87	4.7
1780	69	*Leonis*	30.6	0 8	6	4.55	4.4	5 16 84	4.2	6 5 86	4.55	5 12 87	4.7
1781	39	*Crateris*	30.8	22 16	3	6.85	6.7	4 26 84	6.8	5 12 87	6.9	5 14 87	6.9
1782	3	*Virginis*	32.0	1 45	3	6.75	6.7	6 5 86	6.7	5 14 87	6.7	5 23 87	6.8
1783	41	*Crateris*	32.3	12 31	3	5.8	5.8	5 16 84	5.8	4 21 87	5.8	4 30 89	5.8
1784	40	"	32.7	24 1	3	6.6	6.5	4 26 84	6.6	5 12 87	6.65	4 30 89	6.5
1785	...	"	33.1	12 29	4	7.05	7.2	5 16 84	7.0	4 21 87	7.15	4 13 88	6.95
1786	42	"	33.5	13 47	4	6.25	6.2	5 16 84	6.25	4 21 87	6.3	4 13 88	6.25
1787	43	"	33.5	15 56	4	6.7	6.6	5 16 84	6.7	4 21 87	6.6	4 13 88	6.8
1788	294	*Hydræ*	34.9	28 31	3	6.65	6.7	4 22 84	6.6	4 20 87	6.7	5 7 88	6.65
1789	295	"	35.5	31 48	3	5.8	5.7	4 22 84	5.8	5 12 87	5.75	5 23 87	5.8
1790	44	*Crateris*	35.7	23 41	3	6.85	7.0	4 26 84	6.9	5 12 87	6.8	5 7 88	6.9
1791	45	"	35.8	19 36	2	6.5	6.4	5 16 84	6.5	4 22 87	6.5	.. .. ..	...
1792	46	"	11 37.2	14 21	4	6.9	6.8	5 16 84	6.9	4 21 87	6.8	4 13 88	6.95

No.	U. A. No.	Name	1875. R. A.	1875. Decl.	No Obs	Mag. Mean Obs'd.	Mag. U. A.	Separate Obeservations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. m.	° ′									
1793	5	*Virginis*	11 37.5	− 5 59	2	6.4	6.4	5 25 84	6.4	6 5 86	6.4	.. .. ..	...
1794	296	*Hydræ*	37.7	29 3	5	7.0	7.0	4 22 84	6.8	4 20 87	7.0	5 12 87	7.05
1795	47	*Crateris*	38.1	20 0	4	6.8	6.9	5 16 84	6.7	4 22 87	6.8	5 7 88	6.85
1796	48	"	38.4	17 39	5	5.15	5.2	4 26 84	5.1	4 22 86	5.3	4 22 87	5.1
1797	297	*Hydræ*	41.0	29 35	2	6.8	6.8	4 22 84	6.8	4 20 87	6.8	.. .. ..	...
1798	49	*Crateris*	42.1	9 37	3	6.35	6.3	5 25 84	6.35	4 21 87	6.3	5 7 88	6.35
1799	50	"	42.3	13 39	4	7.0	7.0	5 16 84	6.9	4 21 87	7.0	4 13 88	7.05
1800	298	*Hydræ*	42.5	26 3	4	5.7	5.8	4 26 84	5.9	4 20 87	5.8	5 7 88	5.7
1801	51	*Crateris*	44.0	15 10	6	6.5	6.5	5 16 84	6.7	4 21 87	6.6	4 13 88	6.55
1802	11	*Virginis*	44.2	+ 2 28	2	3.6	3.7	5 25 84	3.6	5 23 87	3.6	. .. ..	...
1803	299	*Hydræ*	44.3	−26 35	3	6.9	6.8	4 26 84	6.8	4 20 87	7.0	5 12 87	6.9
1804	12	*Virginis*	44.7	4 38	4	6.1	6.1	5 25 84	6.2	6 5 86	6.1	5 7 88	6.0
1805	..	*Crateris*	45.1	11 30	4	6.4	...	5 25 84	6.4	4 21 87	6.3	5 18 89	6.5
1806	300	*Hydræ*	45.4	30 8	3	6.3	6.2	4 22 84	6.3	4 20 87	6.3	4 30 89	6.35
1807	303	"	48.4	25 1	3	5.75	5.8	4 26 84	5.7	4 20 87	5.8	5 7 88	5.7
1808	...	*Virginis*	49.0	4 26	4	7.0	...	5 25 84	6.95	5 14 87	7.0	5 18 89	7.1
1809	52	*Crateris*	49.2	24 10	4	7.05	6.9	4 26 84	7.1	4 20 87	7.0	5 12 87	7.05
1810	304	*Hydræ*	49.3	27 47	4	6.5	6.5	4 26 84	6.3	4 20 87	6.55	5 12 87	6.6
1811	53	*Crateris*	49.7	16 27	3	5.45	5.4	4 26 84	5.4	4 22 86	5.5	4 13 88	5.4
1812	...	*Hydræ*	50.4	31 34	5	7.0	7.0	4 22 84	7.1	4 20 87	7.0	5 12 87	7.0
1813	1	*Corvi*	50.5	13 3	5	6.65	6.7	5 25 84	6.5	4 21 87	6.7	4 27 87	6.7
1814	2	"	50.6	11 25	5	7.05	7.0	5 25 84	7.1	4 21 87	7.0	4 27 87	7.0
1815	16	*Virginis*	50.6	4 5	2	6.8	6.7	5 25 84	6.8	6 4 86	6.8	.. .. ..	...
1816	306	*Hydræ*	51.2	26 21	4	7.0	7.0	4 26 84	7.05	4 20 87	7.0	5 22 87	7.1
1817	17	*Virginis*	51.4	7 51	3	6.7	6.8	5 25 84	6.7	6 4 86	6.7	5 18 89	6.7
1818	18	"	51.7	3 41	2	6.8	6.9	5 25 84	6.8	6 4 86	6.8	.. .. .	. .
1819	307	*Hydræ*	51.7	30 57	4	7.05	7.0	4 22 84	7.1	4 20 87	7.0	6 8 87	7.0
1820	308	"	52.5	25 13	3	6.5	6.7	4 26 84	6.5	4 20 87	6.55	5 7 88	6.5
1821	20	*Virginis*	52.8	9 47	3	6.95	7.0	5 25 84	6.9	6 4 86	7.0	4 27 87	6.9
1822	309	*Hydræ*	53.0	29 22	4	7.05	7.0	4 26 84	7.1	4 20 87	7.0	5 12 87	7.0
1823	22	*Virginis*	53.2	1 13	4	7.05	7.0	5 25 84	7.0	6 4 86	7.1	5 14 87	7.1
1824	24	"	54.3	9 44	3	5.9	5.9	5 25 84	5.9	6 4 86	5.8	5 18 89	6.0
1825	3	*Corvi*	54.3	21 9	4	6.45	6.5	4 26 84	6.4	4 27 87	6.5	5 7 88	6.6
1826	4	"	54.5	18 58	4	5.5	5.5	4 26 84	5.6	4 22 86	5.4	4 27 87	5.5
1827	26	*Virginis*	54.6	1 4	2	6.7	6.6	5 25 84	6.7	6 4 86	6.7	.. .. ..	...
1828	27	"	56.5	6 59	3	6.65	6.6	5 25 84	6.6	6 4 86	6.7	5 18 89	6.7
1829	28	"	57.2	4 47	4	6.9	7.0	5 25 84	6.8	6 4 86	6.8	5 18 89	7.0
1830	30	"	57.6	9 36	4	6.75	6.8	5 25 84	6.8	6 4 86	6.8	4 27 87	6.7
1831	31	"	59.2	5 9	2	6.8	6.7	5 25 84	6.8	6 4 86	6.8	.. .. ..	...
1832	33	"	11 59.6	2 26	3	6.55	6.7	5 25 84	6.55	6 4 86	6.6	5 7 88	6.5
1833	5	*Corvi*	12 0.4	11 33	6	6.8	6.6	5 25 84	6.7	4 27 87	6.85	5 12 87	7.0
1834	6	"	0.6	23 4	3	6.9	6.9	6 9 82	7.0	4 26 84	6.8	4 22 86	6.9
1835	7	"	1.0	17 30	3	6.95	7.0	4 26 84	7.0	5 16 84	7.0	4 29 86	6.9
1836	8	"	1.2	23 16	3	6.8	6.9	6 9 82	6.9	4 26 84	6.8	4 22 86	6.7
1837	9	"	2.0	24 2	3	4.2	4.2	4 26 84	4.3	4 29 86	4.1	5 12 87	4.2
1838	...	"	2.5	17 44	5	6.9	...	5 16 84	6.9	4 29 86	6.9	5 7 88	6.8
1839	10	"	3.0	11 9	2	6.7	6.6	5 25 84	6.7	4 27 87	6.7	.. .. ..	...
1840	11	"	3.7	16 50	4	6.7	6.7	4 26 84	6.7	5 16 84	6.6	4 29 86	6.7
1841	12	"	3.7	21 56	3	3.4	3.3	6 9 82	3.35	4 26 84	3.4	4 29 86	3.5
1842	36	*Virginis*	4.0	7 5	3	6.6	6.7	5 25 84	6.55	6 4 86	6.7	5 14 87	6.55
1843	13	*Corvi*	4.6	22 54	4	5.75	5.8	6 9 82	5.7	4 26 84	5.85	4 22 86	5.7
1844	14	"	5.0	16 6	3	6.85	6.8	4 26 84	6.9	5 16 84	6.8	4 29 86	6.9
1845	37	*Virginis*	12 5.0	2 0	3	6.95	6.9	5 25 84	7.0	6 4 86	6.9	6 1 88	7.0

No.	U. A. No.	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U. A.	Separate Observations Date.	Mag	Date.	Mag.	Date	Mag.
			h m.	° ′									
1846	38	*Virginis*	12 5.0	− 3 5	2	6.9	7.0	5 25 84	6.9	6 4 86	6.9	.. .. ..	...
1847	40	"	7.9	5 2	5	6.6	6.6	5 25 84	6.4	6 4 86	6.7	5 14 87	6.55
1848	15	*Corvi*	8.5	20 9	4	6.2	6.2	6 9 82	6.1	4 26 84	6.4	5 9 85	6.1
1849	318	*Hydræ*	8.6	28 32	3	6.85	6.7	4 26 84	6.8	5 12 87	6.9	5 14 87	6.85
1850	41	*Virginis*	8.7	9 35	4	6.3	6.2	5 25 84	6.2	6 4 86	6.4	5 14 87	6.2
1851	16	*Corvi*	9.2	19 50	3	6.95	7.0	6 9 82	7.0	4 26 84	6.9	4 27 87	7.0
1852	17	"	9.3	22 39	5	6.75	6.7	6 9 82	6.8	4 26 84	6.8	5 9 85	6.8
1853	18	"	9.4	16 51	3	2.4	2.5	6 9 82	2.35	4 26 84	2.4	4 29 86	2.4
1854	19	"	10.6	16 0	5	6.3	6.2	4 26 84	6.2	5 16 84	6.4	4 29 86	6.4
1855	20	"	11.5	23 19	4	6.9	7.0	6 9 82	6.9	4 26 84	6.8	4 22 86	7.1
1856	42	*Virginis*	11.8	3 15	3	6.15	6.3	4 27 84	6.2	6 4 86	6.1	5 14 87	6.2
1857	43	"	12.3	0 6	2	6.2	6.1	5 25 84	6.2	6 4 86	6.2	.. .. ..	...
1858	44	"	12.9	8 13	3	6.95	6.9	5 25 84	7.0	6 4 86	6.8	5 14 87	7.0
1859	319	*Hydræ*	13.4	26 3	3	6.85	7.0	4 26 84	6.8	5 12 87	6.95	5 14 87	6.85
1860	45	*Virginis*	13.5	+ 0 2	6	3.85	4.0	5 25 84	3.7	5 31 86	3.8	6 5 86	4.0
1861	21	*Corvi*	13.7	−21 29	5	6.45	6.4	6 9 82	6.4	4 26 84	6.7	5 9 85	6.3
1862	22	"	14.1	21 31	3	5.3	5.3	6 9 82	5.3	4 26 84	5.3	4 22 86	5.3
1863	23	"	14.5	12 52	5	5.65	5.7	6 9 82	5.6	6 13 82	5.6	5 9 85	5.7
1864	24	"	15.8	14 52	6	6.85	6.9	6 9 82	6.9	6 13 82	6.9	4 26 84	6.9
1865	48	*Virginis*	16.7	6 36	3	6.95	7.0	5 25 84	7.0	6 4 86	6.9	6 1 88	6.95
1866	49	"	16.8	4 17	2	6.7	6.6	4 27 84	6.7	6 4 86	6.7	.. .. ..	...
1867	25	*Corvi*	16.9	24 9	4	5.95	6.0	6 9 82	6.1	4 26 84	6.0	4 22 86	5.9
1868	26	"	16.9	11 7	3	6.75	6.8	6 9 82	6.7	6 13 82	6.8	5 9 85	6.7
1869	320	*Hydræ*	17.3	29 39	3	6.85	6.8	4 26 84	6.8	5 12 87	6.9	5 14 87	6.85
1870	321	"	18.7	25 18	3	6.9	7.0	4 26 84	6.8	5 12 87	6.95	5 14 87	6.9
1871	322	"	18.8	27 3	3	6.6	6.6	4 26 84	6.6	5 12 87	6.6	5 14 87	6.6
1872	50	*Virginis*	18.8	10 55	6	6.15	6.1	6 9 82	6.2	6 13 82	6.2	5 9 85	6.3
1873	27	*Corvi*	21.3	15 56	5	6.65	6.8	6 9 82	6.7	6 13 82	6.7	5 16 84	6.6
1874	52	*Virginis*	21.5	3 55	2	6.4	6.3	4 27 84	6.4	6 4 86	6.4	.. .. ..	...
1875	53	"	21.5	7 59	2	6.8	6.7	5 25 84	6.8	6 4 86	6.8	.. .. ..	...
1876	...	"	22.8	1 44	3	6.95	...	4 27 84	6.9	5 15 87	7.0	6 11 88	6.95
1877	28	*Corvi*	23.4	15 49	3	2.85	3.0	6 9 82	2.95	4 26 84	2.7	4 29 86	2.9
1878	29	"	23.7	12 42	3	6.5	6.6	6 9 82	6.5	6 13 82	6.5	5 9 85	6.5
1879	30	"	23.8	23 0	8	6.35	6.2	6 9 82	6.4	5 9 85	6.3	4 22 86	6.3
1880	324	*Hydræ*	25.0	30 18	3	6.9	7.0	4 26 84	6.9	5 12 87	6.9	5 14 87	6.9
1881	57	*Virginis*	25.2	4 22	3	6.5	6.5	4 27 84	6.5	6 4 86	6.5	6 1 88	6.55
1882	31	*Corvi*	25.7	15 30	3	4.6	4.5	4 26 84	4.6	4 29 86	4.5	5 7 88	4.8
1883	...	*Virginis*	25.7	1 4	3	7.0	...	4 27 84	7.0	5 15 87	7.1	6 1 88	6.95
1884	32	*Corvi*	26.0	20 31	4	6.6	6.7	6 9 82	6.7	4 22 86	6.6	4 29 86	6.6
1885	33	"	26.2	13 10	5	6.05	5.9	6 9 82	6.2	6 13 82	6.1	5 9 85	6.1
1886	326	*Hydræ*	26.2	29 21	3	6.9	7.0	4 26 84	6.9	5 12 87	6.9	5 14 87	6.9
1887	34	*Corvi*	26.9	19 6	6	6.45	6.2	6 9 82	6.5	6 13 82	6.5	5 9 85	6.5
1888	35	"	27.1	12 9	4	6.0	5.8	6 9 82	6.0	6 13 82	5.9	5 9 85	6.1
1889	59	*Virginis*	27.3	8 46	3	5.6	5.7	6 9 82	5.7	5 31 86	5.5	5 15 87	5.6
1890	36	*Corvi*	27.8	22 42	3	2.8	2.6	6 9 82	2.75	4 26 84	2.95	4 29 86	2.7
1891	60	*Virginis*	28.0	0 43	3	7.0	7.0	4 27 84	7.0	6 4 86	7.0	6 1 88	6.95
1892	37	*Corvi*	29.2	16 8	3	6.85	6.9	6 9 82	6.9	5 16 84	6.8	5 7 88	6.8
1893	40	"	29.4	19 50	6	6.25	6.4	6 9 82	6.2	6 13 82	6.3	5 9 85	6.2
1894	63	*Virginis*	30.4	5 9	2	6.0	6.0	4 27 84	6.0	6 4 86	6.0	.. .. ..	...
1895	64	"	30.7	1 38	5	6.85	6.7	4 27 84	6.7	6 4 86	6.8	6 1 88	6.85
1896	66	"	30.9	7 37	3	6.85	6.7	6 9 82	6.8	6 4 86	6.9	6 1 88	6.9
1897	328	*Hydræ*	31.1	26 27	3	5.55	5.6	4 26 84	5.6	6 4 86	5.5	6 1 88	5.55
1898	41	*Corvi*	12 32.2	17 34	6	6.15	6.0	6 9 82	6.2	6 13 82	6.2	5 9 85	6.0

No.	U.A. No.	Name	1875. R.A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U.A.	Separate Observations. Date.	Mag	Date.	Mag.	Date.	Mag.
			h. m.	° ′									
1899	71	*Virginis*	12 32.3	− 3 41	5	6.75	6.8	4 27 84	6.6	6 4 86	6.65	6 1 88	6.75
1900	329	*Hydræ*	32.4	29 44	3	6.4	6.4	4 26 84	6.4	5 12 87	6.4	5 14 87	6.4
1901	72	*Virginis*	32.6	0 10	3	6.9	7.0	4 27 84	6.9	6 4 86	6.9	6 1 88	6.9
1902	73	"	32.8	7 18	3	5.05	5.2	6 9 82	5.1	5 31 86	5.0	6 1 88	5.05
1903	74	"	33.1	5 25	2	6.95	7.0	4 27 84	6.95	6 4 86	6.95	.. .. ..	...
1904	42	*Corvi*	34.1	13 25	4	6.9	6.9	6 9 82	6.9	6 13 82	6.9	5 9 85	6.9
1905	43–4	"	34.8	12 20	7	5.45	5.7	6 9 82	5.4	6 13 82	5.5	5 9 85	5.5
1906	45	"	35.3	19 4	6	6.15	6.2	6 9 82	6.0	6 13 82	6.0	5 9 85	6.2
1907	75–6	*Virginis*	35.3	0 46	2	3.2	3.1	5 25 84	3.2	5 31 86	3.2	.. .. ..	...
1908	77	"	35.5	6 49	3	7.0	7.0	6 9 82	7.0	6 4 86	6.95	6 1 88	7.0
1909	46	*Corvi*	37.0	13 10	5	6.9	6.9	6 9 82	6.9	6 13 82	6.9	5 9 85	6.9
1910	79	*Virginis*	37.2	0 53	3	6.35	6.1	4 27 84	6.3	6 4 86	6.4	5 15 87	6.4
1911	47	*Corvi*	37.3	11 20	4	6.8	6.8	6 9 82	6.8	6 13 82	6.8	5 9 85	6.8
1912	48	"	37.4	12 27	4	6.9	6.9	6 9 82	6.9	6 13 82	6.9	5 9 85	6.9
1913	330	*Hydræ*	37.4	27 38	4	5.9	5.9	4 26 84	5.8	6 4 86	5.8	6 1 88	6.1
1914	80	*Virginis*	37.8	2 9	3	6.7	6.7	4 27 84	6.7	6 4 86	6.65	6 1 88	6.7
1915	331	*Hydræ*	38.6	28 5	3	7.0	7.0	4 26 84	7.0	6 4 86	6.9	6 1 88	7.05
1916	81	*Virginis*	38.9	3 12	5	6.75	6.8	4 27 84	6.9	6 4 86	6.65	5 17 87	6.9
1917	49	*Corvi*	39.3	21 5	3	7.1	7.0	6 9 82	7.1	4 27 87	7.1	5 7 88	7.1
1918	50	"	40.1	11 8	3	6.9	6.9	6 9 82	6.9	6 13 82	6.9	5 9 85	6.9
1919	85	*Virginis*	41.1	5 37	3	6.55	6.6	4 27 84	6.6	6 4 86	6.5	6 1 88	6.55
1920	332	*Hydræ*	41.3	24 10	4	6.5	6.4	4 26 84	6.65	6 4 86	6.6	6 1 88	6.35
1921	...	"	41.3	24 20	3	7.0	7.2	4 26 84	7.1	6 4 86	6.9	5 12 87	7.0
1922	333	"	41.8	26 55	3	6.05	6.0	4 26 84	6.05	6 4 86	6.1	6 1 88	5.95
1923	51	*Corvi*	43.2	15 12	5	6.95	7.0	4 26 84	6.85	4 27 87	7.0	5 12 87	7.1
1924	87	*Virginis*	43.7	6 57	3	6.95	7.0	6 9 82	7.0	6 4 86	6.95	6 1 88	6.95
1925	88	"	44.9	9 39	3	6.65	6.6	6 9 82	6.6	5 31 86	6.7	6 1 88	6.7
1926	334	*Hydræ*	45.3	26 4	4	6.4	6.3	4 26 84	6.3	6 4 86	6.5	5 12 87	6.4
1927	90	*Virginis*	46.8	2 52	4	6.2	6.2	7 7 82	6.2	5 31 86	6.2	6 4 86	6.3
1928	91	"	47.2	3 33	3	6.55	6.6	7 7 82	6.6	5 31 86	6.5	6 1 88	6.55
1929	52	*Corvi*	47.4	17 22	3	6.8	6.8	4 26 84	6.8	4 27 87	6.9	5 7 88	6.7
1930	92	*Virginis*	47.8	10 58	4	6.1	6.1	6 9 82	6.0	5 15 87	6.15	5 23 87	6.2
1931	93	"	47.9	8 52	6	5.4	5.2	6 9 82	5.4	5 31 86	5.2	5 15 87	5.4
1932	335	*Hydræ*	48.8	29 24	3	6.9	6.9	4 26 84	6.9	6 5 86	7.0	6 1 88	6.85
1933	53	*Corvi*	49.3	14 39	4	6.4	6.4	4 26 84	6.5	4 27 87	6.35	5 12 87	6.35
1934	94	*Virginis*	49.3	+ 0 44	3	6.8	6.8	6 5 86	6.75	5 15 87	6.85	6 1 88	6.8
1935	95	"	49.3	+ 4 5	3	3.8	3.5	5 25 84	3.85	5 31 86	3.7	5 15 87	3.9
1936	96	"	49.8	− 4 11	4	6.85	6.8	7 7 82	6.8	5 31 86	6.8	6 1 88	7.0
1937	336	*Hydræ*	49.8	25 47	4	6.85	6.9	4 26 84	7.0	6 4 86	6.9	6 1 88	6.85
1938	97	*Virginis*	50.0	0 16	4	6.65	6.7	5 24 84	6.7	6 5 86	6.6	6 1 88	6.55
1939	98	"	50.7	11 23	8	6.6	6.8	6 9 82	6.4	5 31 86	6.65	5 17 87	6.55
1940	99	"	50.8	8 14	3	6.95	6.9	6 9 82	7.0	5 31 86	6.9	6 11 88	6.95
1941	337	*Hydræ*	50.9	22 5	4	6.65	6.6	4 26 84	6.85	5 12 87	6.6	5 23 87	6.55
1942	338	"	51.5	22 23	3	6.9	7.0	4 26 84	6.85	5 12 87	6.95	5 23 87	6.95
1943	102	*Virginis*	52.2	2 14	5	6.95	6.9	7 7 82	6.9	5 31 86	7.1	5 15 87	7.1
1944	103	"	52.3	20 52	3	6.85	6.9	6 13 82	6.8	4 26 84	6.85	6 1 88	6.95
1945	104	"	53.2	3 8	3	5.85	5.9	7 7 82	5.8	5 31 86	5.9	6 1 88	5.9
1946	105	"	54.2	2 42	3	6.2	6.1	7 7 82	6.2	5 31 86	6.2	6 1 88	6.2
1947	339	*Hydræ*	55.6	27 37	2	6.9	6.9	4 26 84	6.9	6 5 86	6.9	.. .. ..	...
1948	340	"	55.6	28 36	2	6.9	6.9	4 26 84	6.9	6 5 86	6.9	.. .. ..	...
1949	106	*Virginis*	57.1	19 55	3	6.05	5.9	6 13 82	6.1	4 26 84	6.0	5 28 86	6.0
1950	107	"	57.5	2 59	3	6.6	6.7	7 7 82	6.6	5 31 86	6.6	6 1 88	6.55
1951	...	*Hydræ*	12 57.6	27 44	4	7.1	7.1	4 26 84	6.9	6 5 86	7.0	6 1 88	7.2

No.	U. A. No.	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U. A.	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. m.	° ′									
1952	108	*Virginis*	12 58.4	+ 0 58	2	7.0	7.0	6 5 86	7.0	5 15 87	7.0	.. .. ..	...
1953	109	"	13 1.4	−10 4	2	5.6	5.6	6 9 82	5.6	5 31 86	5.6	.. .. ..	...
1954	110	"	2.0	8 19	3	6.0	5.9	6 9 82	6.0	5 31 86	6.1	6 1 88	5.95
1955	341	*Hydræ*	2.3	22 27	3	5.35	5.3	4 26 84	5.3	6 5 86	5.4	6 2 88	5.4
1956	112	*Virginis*	2.7	8 52	4	6.55	6.7	6 9 82	6.5	5 31 86	6.65	5 15 87	6.55
1957	113	"	3.1	15 51	4	6.75	6.8	6 13 82	6.65	5 28 86	6.7	6 1 88	6.8
1958	114	"	3.2	9 40	5	6.35	6.3	6 9 82	6.3	5 31 86	6.4	6 4 86	6.3
1959	115	"	3.6	4 52	5	4.55	4.7	6 13 82	4.8	6 5 86	4.4	6 8 87	4.4
1960	116	"	4.5	16 25	3	6.9	7.0	6 13 82	6.8	5 28 86	7.0	5 23 87	6.9
1961	342	*Hydræ*	4.9	25 53	2	6.7	6.6	4 26 84	6.7	6 5 86	6.7	.. .. ..	...
1962	117	*Virginis*	5.4	15 31	4	5.35	5.3	6 13 82	5.3	5 28 86	5.4	6 1 88	5.45
1963	118-9	"	6.8	18 10	3	6.4	6.4	6 13 82	6.4	5 28 86	6.4	6 1 88	6.45
1964	120	"	7.5	19 17	5	5.65	5.8	6 13 82	5.6	4 26 84	5.75	5 28 86	5.6
1965	343	*Hydræ*	7.7	23 37	3	6.85	6.9	4 26 84	6.85	6 5 86	6.8	6 1 88	6.9
1966	122	*Virginis*	8.2	9 42	4	7.0	7.0	6 9 82	7.0	5 25 84	7.0	6 4 86	7.0
1967	123	"	8.4	10 42	4	6.95	6.9	6 9 82	7.0	5 25 84	6.9	6 4 86	6.9
1968	124	"	9.2	19 17	3	5.6	5.7	6 13 82	5.6	5 28 86	5.6	6 1 88	5.65
1969	125	"	10.0	0 44	3	6.7	6.8	5 24 84	6.7	6 5 86	6.6	6 3 88	6.8
1970	126	"	10.8	10 49	4	6.85	6.9	6 9 82	6.8	5 25 84	6.9	6 4 86	6.9
1971	127	"	10.9	14 53	3	6.9	6.9	6 13 82	6.8	5 28 86	7.0	5 23 87	6.95
1972	128	"	10.9	9 53	4	7.0	7.0	6 9 82	7.0	5 25 84	7.0	6 4 86	7.0
1973	129	"	11.1	0 1	3	6.55	6.5	5 24 84	6.6	6 5 86	6.5	6 3 88	6.5
1974	344	*Hydræ*	11.5	27 40	3	6.9	7.0	4 26 84	6.9	6 5 86	6.95	6 2 88	6.85
1975	131	*Virginis*	11.9	17 37	3	5.0	5.3	6 13 82	5.0	5 28 86	5.0	6 1 88	5.0
1976	345	*Hydræ*	12.1	22 31	3	3.2	3.2	4 26 84	3.2	4 29 86	3.2	6 5 86	3.2
1977	133	*Virginis*	13.8	10 39	3	7.0	7.0	6 9 82	7.0	5 25 84	7.0	6 1 88	7.0
1978	135	"	14.8	18 50	3	6.4	6.4	6 13 82	6.4	5 28 86	6.5	6 1 88	6.3
1979	138	"	16.0	5 32	4	6.85	6.9	6 13 82	6.8	7 7 82	6.9	6 5 86	6.8
1980	139	"	16.3	17 5	5	5.7	5.5	6 13 82	5.8	5 28 86	5.65	5 15 87	5.75
1981	140	"	16.8	4 16	6	6.4	6.1	6 13 82	6.2	6 5 86	6.6	6 20 86	6.3
1982	141	"	17.2	20 16	4	6.8	6.9	6 13 82	6.9	5 28 86	6.75	5 23 87	6.7
1983	143	"	18.1	4 31	4	6.0	6.0	6 13 82	6.1	6 5 86	6.0	6 1 88	5.9
1984	145	"	19.4	16 13	3	6.9	6.9	6 13 82	6.9	5 28 86	7.0	6 3 88	6.8
1985	146	"	19.8	0 33	5	6.2	6.2	5 24 84	6.4	6 5 86	6.25	5 15 87	6.2
1986	147	"	20.1	12 3	2	5.8	5.7	6 13 82	5.8	5 31 86	5.8	.. .. ..	...
1987	148	"	20.8	15 20	4	5.05	5.0	6 13 82	5.0	5 28 86	5.1	5 6 88	5.05
1988	346	*Hydræ*	21.1	25 45	4	6.9	6.9	5 17 84	6.9	5 16 85	6.9	6 5 86	6.8
1989	149	*Virginis*	22.7	18 5	4	7.15	7.0	6 13 82	7.1	5 28 86	7.1	6 3 88	7.25
1990	150	"	22.8	0 43	3	6.65	6.8	5 24 84	6.6	6 5 86	6.6	6 29 88	6.75
1991	154	"	23.9	5 49	7	6.45	6.7	6 13 82	6.4	7 7 82	6.7	6 5 86	6.4
1992	155	"	24.6	12 48	3	6.95	7.0	6 13 82	7.0	6 4 86	6.9	6 3 88	6.9
1993	348	*Hydræ*	24.6	27 28	3	6.75	6.7	5 17 84	6.7	5 16 85	6.7	6 5 86	6.8
1994	156	*Virginis*	25.3	18 5	4	6.3	6.2	6 13 82	6.4	5 28 86	6.3	6 3 88	6.2
1995	157	"	25.5	5 37	5	5.25	5.1	6 13 82	5.1	5 31 86	5.2	6 5 86	5.4
1996	349	*Hydræ*	25.6	28 55	3	6.7	6.8	5 17 84	6.7	5 16 85	6.7	6 5 86	6.7
1997	350	"	25.7	28 3	3	6.05	5.9	5 17 84	6.05	5 16 85	6.1	6 5 86	6.0
1998	158	*Virginis*	26.2	14 43	4	6.0	6.0	6 13 82	6.1	5 28 86	5.9	5 31 86	6.1
1999	159	"	26.4	9 31	4	5.8	5.8	6 13 82	5.8	5 31 86	5.8	6 5 86	5.7
2000	...	"	26.9	7 48	3	6.95	7.0	6 13 82	6.9	7 7 82	7.0	6 5 86	6.9
2001	161	"	26.9	6 59	4	6.95	7.0	6 13 82	6.9	7 7 82	7.0	6 5 86	6.9
2002	164	"	27.8	12 42	3	7.4	7.0	6 20 86	7.3	6 17 90	7.5	6 19 90	7.4
2003	165	"	28.0	12 34	20	6.15	var.	4 18 82	6.25	4 20 82	6.1	4 23 82	6.1
2004	166	"	13 27.9	+ 0 20	5	7.15	7.0	5 24 84	7.0	6 5 86	7.15	5 15 87	7.2

No.	U. A. No.	Name	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd	Mag. U. A.	Separate Observations. Date.	Mag.	Date	Mag.	Date.	Mag.
			h. m.	° ′									
2005	167	*Virginis*	13 28.3	+ 0 3	2	3.5	3.6	5 25 84	3.5	5 31 86	3.5	.. .. ..	...
2006	168	"	28.7	−21 23	3	6.95	6.9	5 17 84	6.9	5 16 85	7.0	6 5 86	7.0
2007	169	"	29.0	4 46	5	6.25	6.1	6 13 82	6.4	6 5 86	6.2	5 23 87	6.2
2008	170	"	29.9	0 17	2	6.9	6.9	5 24 84	6.9	6 5 86	6.9	.. .. ..	...
2009	351	*Hydræ*	29.9	25 51	4	5.75	5.8	5 17 84	5.7	5 16 85	5.7	6 5 86	5.85
2010	352	"	30.3	22 59	3	6.85	7.0	5 17 84	6.9	5 16 85	6.9	6 5 86	6.8
2011	171	*Virginis*	31.3	2 36	3	6.9	6.9	5 24 84	6.9	6 5 86	6.95	6 29 88	6.9
2012	353	*Hydræ*	31.4	29 12	3	7.1	7.0	5 17 84	7.1	5 16 85	7.1	6 5 86	7.1
2013	354	"	31.7	28 55	4	6.3	6.3	5 17 84	6.3	5 16 85	6.3	6 5 86	6.2
2014	355	"	34.6	22 49	4	6.6	6.6	5 17 84	6.7	5 16 85	6.6	6 5 86	6.5
2015	173	*Virginis*	35.1	8 4	4	5.65	5.7	6 13 82	5.6	5 31 86	5.6	6 5 86	5.7
2016	176	"	37.0	3 39	2	7.0	7.0	5 24 84	7.0	6 5 86	7.0	.. .. ..	...
2017	177	"	37.4	4 52	3	6.55	6.5	5 24 84	6.5	6 5 86	6.6	6 2 88	6.55
2018	178	"	37.8	15 33	3	6.0	6.0	6 21 82	6.0	5 28 86	6.0	6 3 88	6.05
2019	356	*Hydræ*	37.8	24 52	4	6.6	6.5	5 17 84	6.7	5 16 85	6.6	6 5 86	6.5
2020	357	"	38.7	25 29	3	6.05	6.1	5 17 84	6.0	5 16 85	6.1	6 5 86	6.0
2021	179	*Virginis*	38.9	15 8	4	6.35	6.5	6 21 82	6.3	5 28 86	6.5	5 23 87	6.35
2022	180	"	39.3	11 48	4	5.85	5.9	6 21 82	5.8	5 31 86	5.8	6 20 86	6.0
2023	182	"	40.4	18 38	3	6.85	6.9	6 21 82	6.8	5 28 86	6.9	6 3 88	6.8
2024	183	"	40.6	9 5	3	6.55	6.6	6 5 86	6.6	6 20 86	6.5	6 3 88	6.6
2025	184	"	40.6	17 14	3	5.85	5.8	6 21 82	5.8	5 28 86	5.9	6 3 88	5.85
2026	186	"	40.9	6 5	4	6.95	7.0	5 24 84	6.9	6 5 86	6.95	6 3 88	7.1
2027	187	"	41.8	6 13	2	6.8	6.8	5 24 84	6.8	6 5 86	6.8	.. .. ..	...
2028	358	*Hydræ*	42.0	27 45	..	var.	7.0	.. .. ..	...	.. .. ..	..	.. .. ..	...
2029	188	*Virginis*	42.2	2 13	2	7.0	7.0	5 24 84	7.0	6 5 86	7.0	.. .. ..	...
2030	359	*Hydræ*	43.0	28 28	3	6.45	6.5	5 17 84	6.4	6 5 86	6.4	6 2 88	6.5
2031	190	*Virginis*	43.1	17 31	5	5.45	5.4	6 21 82	5.5	5 28 86	5.3	5 23 87	5.45
2032	193	"	43.7	19 17	3	6.65	6.7	6 21 82	6.6	5 28 86	6.6	6 3 88	6.7
2033	360	*Hydræ*	44.5	23 46	4	6.65	6.7	5 17 84	6.7	5 16 85	6.6	6 5 86	6.5
2034	195	*Virginis*	45.8	18 5	4	7.05	6.9	6 21 82	7.0	5 28 86	6.9	6 3 88	7.15
2035	361	*Hydræ*	47.2	27 57	3	6.55	6.5	5 17 84	6.55	6 5 86	6.6	6 2 88	6.5
2036	...	"	47.2	28 8	4	7.0	...	5 17 84	7.0	6 5 86	6.9	6 2 88	7.15
2037	196	*Virginis*	47.6	16 34	5	6.85	6.8	6 21 82	6.8	5 28 86	6.9	5 14 87	6.85
2038	197	"	47.6	21 38	3	6.9	6.8	5 17 84	6.9	5 16 85	6.8	6 5 86	7.0
2039	198	"	48.3	0 53	5	5.65	5.6	5 24 84	5.8	6 5 86	5.5	5 23 87	5.5
2040	199	"	48.4	7 27	3	6.55	6.4	7 13 82	6.5	6 5 86	6.6	6 3 88	6.5
2041	200	"	49.2	8 57	3	6.8	6.8	7 13 82	6.8	6 5 86	6.7	6 3 88	6.9
2042	201	"	49.3	9 9	5	6.95	7.0	7 13 82	6.9	6 5 86	6.7	5 23 87	7.05
2043	362	*Hydræ*	49.4	27 2	4	7.0	7.0	5 17 84	7.0	6 5 86	6.9	5 6 88	7.1
2044	...	"	49.8	27 3	4	7.7	8.0	6 5 86	7.6	5 23 87	7.7	5 6 88	7.7
2045	202	*Virginis*	50.1	+ 1 40	2	6.2	6.2	5 24 84	6.2	5 23 87	6.2	.. .. ..	...
2046	363	*Hydræ*	50.5	−22 25	5	6.5	6.7	5 17 84	6.5	5 16 85	6.5	6 5 86	6.7
2047	364	"	50.9	25 23	5	6.85	6.9	5 17 84	6.7	6 5 86	6.8	6 2 88	6.95
2048	365	"	51.5	24 22	3	5.7	5.7	5 17 84	5.8	6 5 86	5.6	5 23 87	5.7
2049	203	*Virginis*	51.8	13 31	4	6.9	7.0	6 21 82	6.9	6 5 86	6.9	5 14 87	6.85
2050	366	*Hydræ*	53.0	24 24	3	6.25	6.3	5 17 84	6.3	6 5 86	6.2	6 2 88	6.2
2051	204	*Virginis*	53.3	2 56	6	6.55	6.7	6 21 82	6.7	5 24 84	6.5	6 5 86	6.4
2052	205	"	53.5	7 33	3	6.9	6.8	7 13 82	6.9	6 5 86	6.9	6 3 88	6.9
2053	...	*Hydræ*	53.5	25 39	4	7.0	...	5 17 84	6.8	6 5 86	7.0	5 14 87	7.05
2054	367	"	55.3	26 50	4	6.1	6.0	5 17 84	6.05	6 5 86	6.2	5 14 87	6.1
2055	207	*Virginis*	56.3	16 46	6	6.65	6.6	6 21 82	6.7	6 5 86	6.7	5 14 87	6.7
2056	208	"	56.9	21 49	4	6.5	6.3	5 17 84	6.5	5 16 85	6.5	6 5 86	6.5
2057	210	"	13 57.7	14 22	5	6.55	6.5	6 21 82	6.5	6 5 86	6.7	5 14 87	6.5

No.	U. A. No.	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U. A.	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. m.	° ′									
2058	211	*Virginis*	13 57.7	− 4 47	5	6.85	6.7	5 24 84	6.7	6 5 86	6.8	6 3 88	6.85
2059	212	"	57.7	8 39	4	6.7	6.8	7 13 82	6.7	6 5 86	6.7	6 3 88	6.6
2060	214	"	58.4	15 44	5	6.65	6.8	6 5 86	6.7	5 14 87	6.6	6 3 88	6.55
2061	368	*Hydræ*	59.3	26 5	4	3.55	3.6	6 5 86	3.5	5 23 87	3.8	6 8 87	3.45
2062	215	*Virginis*	59.7	8 18	4	6.7	6.8	7 13 82	6.7	6 5 86	6.7	6 3 88	6.6
2063	216	"	13 59.9	13 36	4	6.85	6.8	6 21 82	6.9	6 5 86	6.9	5 14 87	6.85
2064	217	"	14 0.1	8 43	2	6.1	6.0	7 13 82	6.1	6 5 86	6.1	....	...
2065	...	"	1.8	11 14	4	6.95	...	6 5 86	6.9	5 14 87	6.9	5 18 89	6.9
2066	218	"	2.4	9 45	4	6.9	6.9	7 13 82	6.9	6 5 86	6.7	5 23 87	6.95
2067	219	"	4.0	15 43	5	5.55	5.6	6 21 82	5.3	6 5 86	5.6	6 20 86	5.6
2068	369	*Hydræ*	5.3	23 46	4	6.85	6.7	5 17 84	6.9	6 5 86	6.7	5 23 87	6.9
2069	370	"	5.6	26 40	3	5.5	5.5	5 17 84	5.5	6 5 86	5.5	6 4 88	5.5
2070	371	"	6.1	26 2	3	6.7	6.8	5 17 84	6.75	6 5 86	6.7	6 4 88	6.7
2071	223	*Virginis*	6.2	9 42	4	4.6	4.2	6 21 82	4.5	6 5 86	4.6	5 23 87	4.7
2072	224	"	7.2	0 15	4	6.25	6.2	7 12 82	6.1	6 20 86	6.35	6 30 86	6.3
2073	372	*Hydræ*	7.8	28 42	4	6.3	6.4	5 17 84	6.3	6 5 86	6.2	6 4 88	6.45
2074	225	*Virginis*	7.9	5 22	3	6.75	6.7	7 12 82	6.8	6 5 86	6.7	6 4 88	6.8
2075	226	"	8.5	17 37	4	5.9	5.8	6 21 82	5.9	6 5 86	5.9	6 4 88	5.9
2076	228	"	9.5	5 24	3	4.2	4.1	6 21 82	4.2	6 5 86	4.2	6 8 88	4.2
2077	229	"	9.8	6 2	4	6.7	6.8	7 12 82	6.8	6 5 86	6.7	6 4 88	6.65
2078	230	"	10.0	2 37	9	6.4	6.5	7 12 82	6.1	6 5 86	6.6	6 30 86	6.5
2079	231	"	10.2	18 0	3	6.75	6.7	6 21 82	6.8	6 5 86	6.7	6 4 88	6.8
2080	232	"	10.3	5 4	5	6.9	6.9	7 12 82	6.8	6 5 86	6.8	6 4 88	6.95
2081	...	"	10.6	5 10	3	7.15	7.2	7 12 82	7.2	6 5 86	7.1	6 4 88	7.15
2082	233	"	10.2	8 18	3	6.8	6.7	7 12 82	6.8	6 5 86	6.8	6 4 88	6.8
2083	234	"	10.7	8 27	3	6.8	6.8	7 12 82	6.8	6 5 86	6.8	6 4 88	6.8
2084	235	"	11.4	6 57	3	6.75	6.8	7 12 82	6.7	6 5 86	6.7	6 4 88	6.8
2085	236	"	11.7	18 8	4	6.2	6.2	6 21 82	6.2	6 5 86	6.3	6 4 88	6.2
2086	373	*Hydræ*	11.9	26 34	4	7.0	7.0	5 17 84	6.9	5 25 84	7.0	6 5 86	7.0
2087	374	"	11.9	25 15	4	6.2	6.3	5 17 84	6.1	6 5 86	6.2	6 30 86	6.3
2088	237	*Virginis*	12.4	12 48	3	4.8	5.0	6 21 82	4.8	6 5 86	4.8	6 8 88	4.75
2089	238	"	13.1	1 41	5	5.75	5.6	7 12 82	5.8	6 5 86	5.7	6 30 86	5.8
2090	239	"	13.3	+ 0 58	7	6.4	6.5	7 12 82	6.4	6 5 86	6.2	6 20 86	6.4
2091	240	"	13.3	− 6 10	3	6.75	6.6	7 12 82	6.8	6 5 86	6.8	6 4 88	6.7
2092	241	"	15.5	1 25	5	6.9	6.9	7 12 82	6.9	6 30 86	6.8	5 6 88	7.0
2093	375	*Hydræ*	15.9	27 11	6	5.15	5.0	5 17 84	5.05	6 5 86	5.5	6 30 86	5.1
2094	...	*Virginis*	16.0	7 12	3	6.95	7.0	7 12 82	7.0	6 5 86	6.9	6 4 88	6.95
2095	242	"	16.4	0 4	4	6.85	6.8	7 12 82	6.7	6 5 86	7.0	6 30 86	6.8
2096	376	*Hydræ*	16.6	29 6	4	7.0	7.0	5 17 84	7.0	5 25 84	6.9	6 5 86	7.0
2097	1	*Libræ*	16.7	11 9	4	6.6	6.5	7 12 82	6.6	6 26 86	6.7	6 10 87	6.55
2098	243	*Virginis*	16.9	+ 1 50	5	6.7	6.5	7 12 82	6.6	6 5 86	6.9	6 30 86	6.7
2099	...	*Libræ*	17.0	−12 25	4	6.9	7.0	7 7 82	7.0	6 26 86	6.8	6 10 87	6.9
2100	2	"	17.1	15 32	4	6.7	6.8	7 7 82	6.8	6 26 86	6.7	6 4 88	6.65
2101	3	"	17.7	24 14	6	5.65	5.7	5 17 84	5.8	6 5 86	5.5	6 30 86	5.7
2102	4	"	18.0	11 6	4	6.7	6.6	7 7 82	6.6	6 26 86	6.8	6 10 87	6.7
2103	377	*Hydræ*	18.2	28 20	4	7.0	7.0	5 17 84	7.0	5 25 84	6.9	6 5 86	7.0
2104	5	*Libræ*	18.5	19 24	3	6.45	6.5	6 21 82	6.4	6 5 86	6.5	6 4 88	6.4
2105	6	"	18.5	12 47	4	6.8	6.7	7 7 82	6.8	6 26 86	6.8	6 10 87	6.75
2106	378	*Hydræ*	18.6	26 17	4	6.95	7.0	5 17 84	6.9	5 25 84	6.9	6 5 86	7.0
2107	379	"	20.9	28 56	7	4.85	4.8	5 17 84	4.6	6 5 86	4.65	6 30 86	4.7
2108	245	*Virginis*	20.9	5 33	5	6.4	6.5	7 12 82	6.4	6 5 86	6.4	6 4 88	6.35
2109	7	*Libræ*	21.0	12 48	4	6.7	6.8	7 7 82	6.7	6 26 86	6.7	6 10 87	6.7
2110	246	*Virginis*	13 21.8	1 40	9	5.3	5.4	7 12 82	5.6	6 5 86	5.25	6 20 86	5.35

No.	U. A. No.	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U.A.	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. m.	° ′									
2111	8	*Librœ*	14 21.9	− 9 27	4	6.9	6.8	7 7 82	6.9	6 26 86	6.9	6 10 87	6.85
2112	247	*Virginis*	22.1	6 20	5	6.0	5.9	7 12 82	5.9	6 5 86	6.0	6 4 88	6.05
2113	249	"	22.3	4 40	5	6.7	6.9	7 12 82	6.8	6 5 86	6.75	6 4 88	6.65
2114	250	"	23.5	+ 1 23	5	6.25	6.4	7 12 82	6.1	6 5 86	6.3	6 30 86	6.3
2115	251	"	23.5	− 3 41	5	6.95	6.9	7 12 82	7.0	6 5 86	7.0	6 4 88	6.95
2116	...	"	24.0	3 30	5	7.2	7.1	7 12 82	7.2	6 5 86	7.2	6 4 88	7.2
2117	9	*Librœ*	27.8	19 53	3	6.6	6.8	7 7 82	6.6	6 5 86	6.5	6 8 88	6.7
2118	10	"	30.4	11 47	3	6.6	6.6	7 12 82	6.7	6 26 86	6.55	6 8 88	6.6
2119	11	"	32.3	10 1	3	6.95	6.9	7 12 82	7.0	6 26 86	6.9	6 8 88	6.9
2120	380	*Hydrœ*	32.4	26 11	6	7.05	6.9	6 21 82	6.8	5 25 84	7.2	6 20 86	7.1
2121	381	"	33.2	25 43	5	6.9	6.9	6 21 82	6.8	5 25 84	7.0	6 4 86	6.85
2122	...	*Librœ*	35.3	11 42	2	6.9	7.0	7 12 82	6.9	6 26 86	6.9	.. .. ..	...
2123	12	"	36.0	24 28	6	5.9	5.8	6 21 82	5.8	6 4 86	5.9	6 30 86	5.9
2124	255	*Virginis*	36.5	5 7	5	4.0	4.0	7 12 82	4.2	6 5 86	3.9	5 23 87	4.0
2125	13	*Librœ*	36.7	9 10	3	6.85	6.8	7 12 82	6.8	6 26 86	6.9	6 8 88	6.85
2126	256	*Virginis*	37.6	7 44	3	6.9	6.8	7 12 82	6.9	5 23 87	6.95	6 8 88	6.9
2127	14	*Librœ*	38.1	9 10	3	6.95	7.0	7 12 82	6.9	6 26 86	6.9	6 8 88	7.0
2128	382-3	*Hydrœ*	38.8	24 55	3	5.2	5.2	6 21 82	5.2	6 4 86	5.2	6 2 88	5.2
2129	257	*Virginis*	38.8	0 53	3	6.35	6.4	7 12 82	6.3	6 30 86	6.4	6 4 88	6.35
2130	15	*Librœ*	38.9	22 37	8	6.25	6.1	7 7 82	6.15	6 4 86	6.5	6 30 86	6.3
2131	16	"	39.1	14 56	6	6.7	6.6	7 7 82	6.5	6 26 86	6.8	6 10 87	6.7
2132	17	"	39.1	20 39	5	6.6	6.8	7 7 82	6.5	7 16 84	6.5	6 26 86	6.6
2133	258	*Virginis*	39.1	+ 1 15	3	5.9	6.0	7 12 82	5.9	6 30 86	5.85	6 4 88	6.0
2134	259	"	39.9	2 35	2	3.9	4.0	7 12 82	3.9	6 8 87	3.9	.. .. ..	...
2135	384	*Hydrœ*	40.1	−25 6	3	6.0	6.1	6 21 82	6.0	6 4 86	6.0	6 2 88	6.0
2136	18	*Librœ*	40.1	20 48	10	6.55	6.4	7 7 82	6.4	7 16 84	6.4	6 26 86	6.8
2137	385	*Hydrœ*	40.5	25 34	3	5.55	5.5	6 21 82	5.5	6 4 86	5.6	6 2 88	5.55
2138	386	"	40.7	26 7	5	6.05	6.3	6 21 82	6.1	6 18 84	6.1	6 4 86	6.0
2139	...	*Virginis*	40.8	+ 1 28	3	6.7	...	5 23 87	6.7	6 8 87	6.65	6 4 88	6.7
2140	19	*Librœ*	41.1	−12 19	4	6.7	6.6	7 7 82	6.8	6 26 86	6.7	6 11 88	6.65
2141	20	"	41.6	16 49	3	6.95	7.0	7 7 82	6.9	6 26 86	6.9	6 4 88	7.0
2142	21	"	42.1	23 44	6	6.15	6.3	7 7 82	6.0	6 4 86	6.3	6 30 86	6.15
2143	22	"	42.5	13 38	6	5.5	5.7	7 7 82	5.6	6 26 86	5.35	6 10 87	5.55
2144	23	"	42.5	0 20	5	6.2	6.3	7 12 82	6.3	6 30 86	6.25	6 4 88	6.2
2145	24	"	42.8	7 59	3	7.0	7.0	7 12 82	7.0	6 10 87	6.95	6 8 88	7.0
2146	387	*Hydrœ*	43.0	27 26	4	4.7	4.8	6 21 82	4.7	6 4 86	4.8	6 2 88	4.8
2147	25	*Librœ*	43.8	15 29	4	6.4	6¼	7 7 82	6.6	6 10 87	6.6	6 4 88	6.25
2148	26	"	44.0	15 31	2	2.8	3	6 8 88	2.8	7 3 88	2.8	.. .. ..	...
2149	27	"	44.5	1 47	3	5.4	5.3	7 12 82	5.4	6 30 86	5.4	6 4 88	5.4
2150	28	"	44.6	17 16	3	6.6	6.6	7 7 82	6.6	6 26 86	6.7	6 4 88	6.5
2151	261	*Virginis*	44.6	+ 0 16	7	6.5	6.3	7 12 82	6.6	6 30 86	6.4	5 23 87	6.7
2152	29	*Librœ*	44.9	−17 50	4	6.55	6.5	7 7 82	6.6	6 26 86	6.7	6 4 88	6.45
2153	388	*Hydrœ*	46.4	27 53	5	7.3	7.0	6 21 82	7.3	6 4 86	7.3	5 14 87	7.35
2154	389	"	47.0	27 50	3	6.8	6.9	6 21 82	6.8	6 4 86	6.85	6 2 88	6.8
2155	30	*Librœ*	47.1	24 8	5	5.75	5.8	7 7 82	5.75	6 4 86	5.7	6 30 86	5.7
2156	31	"	47.6	11 23	4	6.1	6.1	7 7 82	6.1	6 26 86	6.1	6 11 88	6.2
2157	390	*Hydrœ*	49.6	25 47	4	6.85	7.0	6 21 82	6.8	6 4 86	6.85	6 8 88	6.9
2158	391	"	49.8	28 39	5	6.45	6.5	6 21 82	6.6	6 4 86	6.5	6 2 88	6.35
2159	32	*Librœ*	50.0	10 54	4	5.95	5.7	7 7 82	5.9	6 26 86	6.1	6 10 87	5.95
2160	33	"	50.2	20 51	4	6.1	6.1	7 7 82	6.1	6 26 86	5.95	6 10 87	6.2
2161	34	"	50.7	3 50	2	4.7	4.8	7 12 82	4.7	6 30 86	4.7	.. .. ..	...
2162	35	"	51.1	16 52	3	6.95	6.9	7 7 82	6.9	6 26 86	6.9	6 4 88	7.0
2163	264	*Virginis*	14 51.1	+ 0 20	3	6.0	6.0	7 12 82	6.0	6 30 86	6.0	6 4 88	6.05

No.	U. A. No.	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U.A.	Separate Observations. Date.	Mag	Date.	Mag.	Date.	Mag.
			h. *m.*	° ′									
2164	392	*Hydræ*	14 51.3	−27 9	4	6.0	5.9	6 21 82	6.1	6 18 84	6.1	6 4 86	5.9
2165	...	*Libræ*	51.5	10 39	4	7.0	7.2	7 7 82	7.1	6 26 86	6.9	6 10 87	7.15
2166	36	"	52.2	10 38	4	6.45	6.3	7 7 82	6.3	6 26 86	6.5	6 10 87	6.45
2167	37	"	52.4	4 29	4	6.2	6.5	7 12 82	6.2	6 30 86	6.2	6 10 87	6.1
2168	38	"	54.3	8 1	3	var.	var.	7 12 82	5.2	6 21 86	5.7	6 30 86	5.1
2169	393	*Hydræ*	54.7	27 34	3	6.2	6.2	6 21 82	6.2	6 18 84	6.2	6 4 86	6.2
2170	39	*Libræ*	54.8	2 16	5	6.2	5.9	7 12 82	6.0	6 30 86	6.25	6 10 87	6.3
2171	40	"	55.1	2 40	2	6.85	6.9	7 12 82	6.85	6 30 86	6.85	.. .. ..	...
2172	41	"	55.4	7 51	3	7.1	7.0	7 12 82	7.1	6 30 86	7.1	6 8 88	7.1
2173	267	*Virginis*	55.4	+ 0 21	3	6.15	6.1	7 12 82	6.2	6 30 86	6.15	6 4 88	6.15
2174	42	*Libræ*	55.5	− 7 5	3	6.6	6.6	7 12 82	6.6	6 30 86	6.7	6 8 88	6.55
2175	43	"	55.9	7 21	3	6.75	6.8	7 12 82	6.7	6 30 86	6.85	6 10 87	6.75
2176	44	"	56.3	2 32	3	6.7	6.8	7 12 82	6.8	6 30 86	6.65	6 10 87	6.7
2177	268	*Virginis*	56.6	+ 2 35	3	4.9	4.9	7 12 82	4.95	5 23 87	5.0	6 8 88	4.8
2178	45	*Libræ*	56.8	−24 47	6	3.8	3.5	6 16 84	4.2	6 5 86	3.6	5 23 87	3.75
2179	46	"	58.5	25 18	3	6.8	7.0	7 7 82	6.8	6 26 86	6.8	6 9 88	6.8
2180	...	"	58.9	23 39	4	7.05	7.2	7 7 82	7.0	6 26 86	7.05	6 9 88	7.1
2181	47	"	59.2	21 33	5	6.55	6.5	7 7 82	6.7	6 26 86	6.4	6 10 87	6.6
2182	48	"	59.7	15 46	4	5.6	5.5	7 7 82	5.4	6 26 86	5.7	6 10 87	5.65
2183	49	"	14 59.9	16 0	4	6.7	6.9	7 7 82	6.9	6 26 86	6.6	6 10 87	6.65
2184	...	"	15 0.0	23 43	3	7.3	7.2	7 7 82	7.3	6 26 86	7.2	6 9 88	7.35
2185	50	"	2.6	23 30	3	6.95	6.8	7 7 82	7.0	6 26 86	6.95	6 9 88	6.9
2186	51	"	2.9	25 51	4	6.15	6.1	7 7 82	6.2	6 11 85	6.1	6 9 88	6.05
2187	52	"	5.1	19 19	3	4.85	5.0	7 2 82	4.95	6 10 87	4.9	7 3 88	4.7
2188	53	"	5.1	18 38	4	6.9	6.7	7 2 82	6.9	6 18 84	6.9	6 20 86	6.9
2189	54	"	5.4	17 37	3	6.95	7.0	7 2 82	7.0	6 20 86	6.9	6 4 88	6.95
2190	55	"	6.0	23 32	3	6.7	6.6	7 7 82	6.7	6 26 86	6.7	6 9 88	6.65
2191	56	"	6.2	24 50	4	6.8	6.8	7 7 82	6.7	6 26 86	6.8	6 9 88	6.8
2192	57	"	6.2	19 11	4	6.45	6.5	7 2 82	6.4	6 10 87	6.5	6 9 88	6.5
2193	58	"	6.5	10 32	3	6.85	7.0	5 24 84	6.8	6 21 86	6.9	6 9 88	6.85
2194	59	"	6.5	25 43	7	6.25	6.2	7 7 82	6.5	6 11 85	6.2	6 20 86	6.15
2195	60	"	7.4	17 58	4	6.8	6.7	7 2 82	6.9	6 18 84	6.7	6 20 86	6.9
2196	61	"	7.6	17 18	3	6.45	6.5	7 2 82	6.5	6 20 86	6.4	6 4 88	6.45
2197	1	*Serpentis Cap.*	7.6	0 52	5	6.7	6.7	5 26 84	6.6	6 10 87	6.65	6 26 87	6.7
2198	62	*Libræ*	8.2	27 8	3	6.85	6.9	7 7 82	6.9	6 26 86	6.8	6 9 88	6.9
2199	63	"	8.3	5 2	4	6.75	6.8	5 26 84	6.6	6 26 86	6.8	6 10 87	6.85
2200	64	"	9.2	21 56	3	5.9	5.8	7 7 82	5.8	6 26 86	5.95	6 10 87	5.9
2201	3	*Serpentis Cap.*	9.5	+ 0 50	4	6.0	6.0	5 26 84	6.0	6 10 87	6.1	6 26 87	5.9
2202	78	*Lupi*	10.2	−29 41	3	4.55	4.7	7 3 82	4.6	6 19 90	4.5	6 20 90	4.6
2203	65	*Libræ*	10.3	8 55	4	2.8	3.1	7 6 82	2.7	7 16 84	2.7	6 30 86	3.05
2204	6	*Serpentis Cap.*	12.0	0 0	5	6.45	6.4	5 26 84	6.3	6 10 87	6.45	6 26 87	6.45
2205	8	" "	12.5	1 8	4	6.9	6.9	5 26 84	6.9	6 10 87	6.85	6 26 87	6.9
2206	66	*Libræ*	13.0	27 50	4	6.95	7.0	7 7 82	6.9	6 26 86	7.05	6 10 87	7.0
2207	67	"	13.3	25 32	4	7.05	7.0	7 7 82	7.1	6 26 86	7.05	6 10 87	7.0
2208	68	"	13.8	17 42	5	6.6	6.6	7 2 82	6.7	6 18 84	6.6	6 20 86	6.5
2209	69	"	14.0	4 40	3	6.9	7.0	5 26 84	7.0	6 26 86	6.85	6 10 87	6.9
2210	70	"	14.0	15 6	4	6.25	6.4	5 24 84	6.4	6 26 86	6.3	6 4 88	6.15
2211	71	"	14.5	5 22	4	6.1	6.1	6 21 86	6.2	6 10 87	6.1	6 27 87	6.1
2212	10	*Serpentis Cap.*	14.4	1 57	4	6.65	6.7	5 26 84	6.6	6 10 87	6.65	6 26 87	6.7
2213	72	*Libræ*	15.2	28 54	3	6.7	6.6	7 7 82	6.7	6 26 86	6.7	6 9 88	6.75
2214	73	"	15.5	26 14	4	6.85	6.7	7 7 82	6.9	6 26 86	6.8	6 9 88	6.75
2215	74	"	16.1	14 41	3	7.0	7.0	5 24 84	6.9	6 26 86	7.0	6 4 88	7.05
2216	75	"	15 17.0	11 55	4	6.3	6.2	5 24 84	6.3	6 21 86	6.4	6 9 88	6.1

No.	U A. No	Name.	1875. R. A.	1875. Decl.	No Obs	Mag. Mean Obs'd.	Mag. U A.	Separate Observations. Date.	Mag	Date	Mag	Date	Mag
			h. m	° ′									
2217	12	*Serpentis Cap.*	15 17.3	− 0 35	4	6.4	6.4	5 26 84	6.3	6 10 87	6.45	6 26 87	6.45
2218	76	*Libræ*	17.4	9 52	2	5.6	5.5	5 24 84	5.6	6 21 86	5.6	.. .. ..	...
2219	77	"	21.2	16 17	6	6.05	5.9	7 2 82	5.9	6 20 86	6.15	6 26 86	6.0
2220	78	"	21.4	8 54	3	6.95	6.9	5 24 84	7.0	6 21 86	6.9	6 9 88	6.95
2221	79	"	21.4	28 26	5	6.65	6.8	7 7 82	6.7	6 26 86	6.5	6 10 87	6.8
2222	80	"	22.5	17 1	5	6.9	7.0	7 2 82	6.9	6 18 84	6.8	6 20 86	6.9
2223	81	"	23.4	20 18	3	6.5	6.5	7 2 82	6.5	6 20 86	6.5	6 4 88	6.5
2224	82	"	23.6	16 11	6	6.15	6.0	7 2 82	6.1	6 20 86	6.15	6 26 86	6.0
2225	83	"	24.6	19 44	3	6.6	6.7	7 2 82	6.6	6 20 86	6.5	6 4 88	6.7
2226	84	"	25.4	19 15	4	5.95	6.2	7 2 82	6.0	6 20 86	6.0	6 4 88	5.95
2227	85	"	25.5	10 1	4	7.0	7.0	5 24 84	7.1	6 21 86	6.9	6 10 87	7.05
2228	86	"	25.8	24 4	4	6.6	6.7	7 2 82	6.6	6 20 86	6.55	6 4 88	6.55
2229	87	"	25.9	16 26	5	5.7	5.8	7 2 82	5.6	6 20 86	5.7	6 26 86	5.6
2230	15	*Serpentis Cap.*	26.5	0 46	3	6.05	5.9	5 26 84	6.0	6 10 87	6.1	6 26 87	6.0
2231	88	*Libræ*	27.1	27 38	4	6.0	5.7	6 11 85	5.7	6 10 87	6.05	6 27 87	6.2
2232	89	"	27.3	9 38	3	5.25	5.5	5 24 84	5.3	6 21 86	5.3	7 3 88	5.2
2233	90	"	27.7	8 46	5	5.65	5.6	5 24 84	5.7	6 21 86	5.5	6 10 87	5.8
2234	91	"	27.8	5 16	5	6.85	6.7	5 26 84	7.0	6 26 86	6.85	6 10 87	6.75
2235	92	"	28.5	14 22	5	4.5	4.4	6 26 86	4.6	6 10 87	4.6	6 9 88	4.4
2236	93	"	29.4	27 43	5	4.1	3 9	6 13 82	4.3	6 4 86	4.1	6 5 86	3.95
2237	94	"	30.0	25 52	5	6.45	6.6	6 11 85	6.4	6 10 87	6.65	6 27 87	6.35
2238	95	"	30.2	21 42	5	7.2	6.9	7 2 82	7.25	6 20 86	7.2	6 10 87	7.3
2239	19	*Serpentis Cap*	30.2	0 9	4	6.85	6.8	5 26 84	6.9	6 10 87	6.85	6 26 87	6.8
2240	96	*Libræ*	30.5	22 44	4	6.4	6.1	7 2 82	6.3	6 20 86	6.5	5 23 87	6.4
2241	97	"	30.7	27 48	4	6.7	6.5	6 11 85	6.75	6 26 86	6.6	6 10 87	6.85
2242	98	"	31.0	29 22	5	3.85	3.8	6 13 82	3.9	6 4 86	3.9	6 5 86	3.8
2243	99	"	31.0	20 36	5	6.5	6.4	7 2 82	6.3	6 20 86	6.6	6 10 87	6.6
2244	100	"	31.3	19 30	3	7.0	7.0	7 2 82	7.0	6 20 86	7.05	6 4 88	6.95
2245	...	"	31.5	14 6	3	7.05	7.1	5 24 84	7.0	6 26 86	7.1	6 9 88	7.05
2246	101	"	31.7	18 53	4	6.1	5.9	7 2 82	6.1	6 20 86	6.15	6 4 88	6.2
2247	102-3	"	31.9	8 23	4	6.25	6.2	5 24 84	6.2	6 21 86	6.4	6 10 87	6.25
2248	104	"	32.0	22 44	5	6.7	6.9	7 2 82	6.8	6 20 86	6.8	6 4 88	6.7
2249	105	"	32.9	23 25	3	5.65	5.7	7 2 82	5.7	6 20 86	5.6	6 4 88	5.65
2250	...	"	34.3	13 34	3	6.95	...	5 24 84	6.9	6 26 86	7.0	7 18 90	7.0
2251	106	"	34.8	19 16	5	5.5	5.5	7 2 82	5.35	6 20 86	5.55	6 12 87	5.5
2252	107	"	36.2	12 39	6	6.85	6.8	5 24 84	6.7	6 26 86	7.0	6 12 87	6.7
2253	108	"	36.4	14 38	2	6.6	6.6	5 24 84	6.6	6 26 86	6.6	.. .. ..	...
2254	109	"	37.1	15 16	5	5.8	5.9	5 24 84	6.0	6 26 86	5.85	6 12 87	5.75
2255	110	"	38.6	27 40	3	6.65	6.7	6 11 85	6.7	6 12 87	6.6	6 27 87	6.65
2256	24	*Serpentis Cap.*	39.6	1 25	4	5.8	5.8	5 26 84	5.9	6 10 87	5.7	9 8 87	5.9
2257	111	*Libræ*	40.1	5 44	3	6.75	6.7	6 17 84	6.8	6 26 86	6.7	6 9 88	6.7
2258	1	*Scorpii*	41.0	23 27	6	7.05	6.9	7 2 82	7.1	6 18 84	7.0	6 6 86	6.9
2259	112	*Libræ*	42.4	3 26	3	6.1	6.1	5 26 84	6.0	6 10 87	6.2	6 27 87	6.1
2260	27	*Serpentis Cap.*	43.1	3 9	4	3.3	3.3	7 6 82	3.3	7 16 84	3.3	6 30 86	3.2
2261	2	*Scorpii*	43.5	25 22	5	5.3	5.3	7 2 82	5.3	6 6 86	5.3	6 26 86	5.3
2262	133	*Lupi*	44.5	29 30	3	6.9	6.8	7 3 88	6.9	7 6 88	6.9	6 18 90	6.85
2263	113	*Libræ*	44.7	13 45	3	6.65	6.5	5 24 84	6.6	6 26 86	6.6	6 11 88	6.7
2264	30	*Serpentis Cap.*	44.8	2 43	2	5.6	5.7	5 26 84	5.6	6 10 87	5.6	.. .. ..	...
2265	114	*Libræ*	46 1	19 48	3	5.6	5.5	7 2 82	5.7	6 26 86	5.5	6 12 87	5.55
2266	3	*Scorpii*	46.1	24 57	5	5.05	5.2	7 2 82	5.0	6 6 86	5.1	6 26 86	5.05
2267	4	"	46.4	24 10	5	5.95	5.8	7 2 82	5.9	6 6 86	5.95	6 26 86	6.0
2268	5	"	46.5	23 36	4	5.95	5.8	7 2 82	5.9	6 6 86	5.95	6 26 86	6.0
2269	115	*Libræ*	15 46.7	16 22	3	4.85	4.8	7 6 82	4.85	6 26 86	4.8	6 9 88	4.9

No.	U. A. No.	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U. A.	Separate Observations. Date.	Mag.	Date.	Mag.	Date	Mag.
			h. *m.*	° ′									
2270	6	*Scorpii*	15 46.9	−26 58	6	6.75	6.9	7 2 82	6.8	6 18 84	6.8	7 16 84	7.0
2271	7	"	47.2	24 52	8	6.6	6.7	7 2 82	6.55	6 18 84	6.6	6 6 86	6.8
2272	116	*Librœ*	47.8	19 1	6	6.4	6.4	6 26 86	6.4	6 12 87	6.2	6 27 87	6.4
2273	8	*Scorpii*	48.0	25 54	6	6.35	6.3	7 2 82	6.4	6 18 84	6.4	6 6 86	6.2
2274	9	"	49.2	28 51	4	4.45	4.5	6 13 82	4.6	6 4 86	4.4	5 25 87	4.4
2275	117	*Librœ*	49.2	14 2	5	6.6	6.6	7 6 82	6.7	5 24 84	6.6	6 26 86	6.6
2276	33	*Serpentis Cap.*	49.4	1 48	2	7.0	6.9	6 17 84	7.0	6 12 87	7.0	.. .. ..	...
2277	118	*Librœ*	49.5	14 28	6	6.45	6.5	7 6 82	6.6	5 24 84	6.4	6 26 86	6.45
2278	10	*Scorpii*	50.4	20 37	2	6.4	6.4	7 6 82	6.4	5 25 87	6.4	.. .. ..	...
2279	11	"	51.1	24 28	7	6.05	6.1	7 2 82	6.2	6 6 86	6.1	6 26 86	6.0
2280	119	*Librœ*	51.2	13 55	4	5.2	5.4	7 6 82	5.1	6 26 86	5.25	6 28 86	5.2
2281	12	*Scorpii*	51.3	25 45	8	3.1	3.4	6 13 82	3.4	6 16 84	2.95	6 18 84	3.1
2282	13	"	53.0	22 16	6	2.4	2.4	6 13 82	2.3	6 16 84	2.3	6 18 84	2.3
2283	120	*Librœ*	53.0	6 57	2	6.8	6.9	6 17 84	6.8	6 12 87	6.8	.. .. ..	...
2284	121	"	53.3	16 10	5	6.0	5.9	7 6 82	5.8	6 26 86	6.0	6 12 87	6.0
2285	122	"	54.1	8 3	5	6.0	6.0	6 17 84	6.3	6 26 86	6.0	6 12 87	5.8
2286	14	*Scorpii*	54.9	28 47	3	6.7	6.7	7 3 82	6.6	6 26 86	6.7	6 9 88	6.75
2287	1	*Ophiuchi*	55.2	3 25	6	7.05	7.0	6 17 84	7.0	6 28 86	7.1	6 12 87	7.0
2288	15	*Scorpii*	55.8	25 31	6	5.8	5.7	7 2 82	5.6	6 6 86	5.95	6 26 86	5.9
2289	16	"	56.4	24 23	5	6.85	6.8	7 6 82	6.7	6 6 86	6.8	6 26 86	6.9
2290	17	"	57.5	11 2	4	4.6	4.6	7 6 82	4.75	6 28 86	4.4	6 12 87	4.6
2291	18	"	58.2	19 28	4	2.6	2.5	6 13 82	2.6	6 16 84	2.6	6 18 84	2.6
2292	37	*Serpentis Cap.*	58.6	3 11	6	7.05	6.9	6 17 84	7.0	6 28 86	7.2	6 12 87	7.0
2293	19	*Scorpii*	58.7	23 16	7	6.35	6.2	7 6 82	6.2	6 26 86	6.35	6 12 87	6.3
2294	2	*Ophiuchi*	59.1	5 57	5	6.75	6.8	6 17 84	6.8	6 28 86	6.6	6 12 87	6.7
2295	3	"	59.4	5 48	4	6.85	6.9	6 17 84	6.8	6 28 86	6.75	6 12 87	6.9
2296	20	*Scorpii*	15 59.5	20 20	5	4.4	4.4	6 13 82	4.3	6 16 84	4.2	6 18 84	4.5
2297	21	"	16 0.1	20 32	8	4.55	4.6	6 13 82	4.3	6 16 84	4.3	6 18 84	4.5
2298	22	"	0.1	13 44	5	6.65	6.8	7 6 82	6.7	7 16 84	6.7	6 28 86	6.7
2299	24	"	0.4	24 8	4	6.7	6.7	7 6 82	6.7	6 26 86	6.65	6 14 87	6.7
2300	25	"	0.5	25 59	7	6.2	6.0	7 3 82	5.9	6 26 86	6.3	6 10 87	6.25
2301	26	"	0.7	12 24	4	6.1	6.0	7 6 82	6.1	6 28 86	6.2	6 12 87	6.05
2302	27	"	1.3	23 21	5	6.25	6.3	7 6 82	6.3	6 26 86	6.25	6 14 87	6.3
2303	29	"	1.6	9 46	4	6.9	7.0	7 6 82	6.9	6 28 86	6.9	6 30 89	6.8
2304	31	"	2.6	26 35	3	6.8	6.9	7 3 82	6.9	6 26 86	6.8	6 9 88	6.75
2305	32	"	2.7	24 15	4	6.9	6.9	7 6 82	6.9	6 26 86	6.9	6 14 87	6.85
2306	33	"	2.7	18 0	3	6.85	6.9	7 6 82	6.8	6 26 86	6.9	6 9 88	6.85
2307	35	"	3.3	29 5	3	5.8	5.8	7 3 82	5.7	6 26 86	5.8	6 9 88	5.85
2308	43	*Serpentis Cap.*	3.3	3 8	4	6.1	5.9	6 17 84	6.2	6 28 86	6.1	6 12 87	6.0
2309	36	*Scorpii*	4.6	28 5	7	6.1	6.1	7 3 82	6.3	6 26 86	6.1	6 12 87	6.0
2310	37	"	4.6	27 36	3	5.25	5.3	7 3 82	5.25	6 26 86	5.3	6 9 88	5.2
2311	38	"	4.7	19 8	5	4.1	4.3	6 13 82	3.9	6 16 84	4.05	6 18 84	4.2
2312	39	"	5.2	9 44	4	5.35	5.2	7 6 82	5.2	6 28 86	5.4	6 12 87	5.4
2313	40	"	5.4	8 13	3	5.75	5.7	7 6 82	5.7	6 28 86	5.8	6 9 88	5.7
2314	41	"	6.3	24 6	5	6.7	6.7	7 6 82	6.8	6 26 86	6.65	6 12 87	6.65
2315	42	"	6.3	21 5	3	7.05	7.0	7 6 82	7.0	6 26 86	7.0	6 9 88	7.15
2316	5	*Ophiuchi*	6.4	3 54	5	6.75	7.0	6 17 84	6.6	6 28 86	6.75	6 12 87	6.8
2317	44	*Scorpii*	6.9	11 31	4	5.7	5.6	7 6 82	5.5	6 28 86	5.8	6 12 87	5.7
2318	6	*Ophiuchi*	7.0	7 48	5	7.1	6.9	7 6 82	7.1	6 28 86	6.9	6 12 87	7.1
2319	45	*Scorpii*	7.1	20 47	3	6.85	6.9	7 6 82	6.9	6 26 86	6.8	6 9 88	6.85
2320	45	*Serpentis Cap.*	7.2	1 9	3	6.8	6.9	6 17 84	6.8	6 12 87	6.75	9 8 87	6.9
2321	46	*Scorpii*	7.3	25 10	4	6.4	6.4	7 6 82	6.3	6 26 86	6.35	6 14 87	6.45
2322	47	"	16 7.5	18 13	3	6.85	6.9	7 6 82	6.8	6 26 86	6.9	6 9 88	6.85

No.	U. A. No	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U A.	Separate Observations. Date.	Mag	Date.	Mag.	Date.	Mag.
			h. m	° ′									
2323	7	*Ophiuchi*	16 7.8	− 3 22	3	2.95	2.7	7 6 82	2.9	7 16 84	2.9	6 30 86	3.0
2324	48	*Scorpii*	8.8	14 32	4	6.35	6.3	7 6 82	6.35	6 28 86	6.45	6 12 87	6.25
2325	49	"	8.8	8 1	3	5.9	5.7	7 6 82	5.8	6 28 86	5.9	6 9 88	6.0
2326	50	"	8.9	23 58	4	6.9	6.9	7 6 82	7.0	6 26 86	6.9	6 14 87	6.85
2327	51	"	9.6	20 59	3	6.95	7.0	7 6 82	7.0	6 26 86	6.95	6 9 88	6.85
2328	52	"	9.7	19 48	3	6.95	6.9	7 6 82	6.9	6 26 86	6.95	6 9 88	7.0
2329	47	*Serpentis Cap.*	9.9	1 20	4	7.15	7.0	6 17 84	7.1	6 12 87	7.2	9 8 87	7.1
2330	8	*Ophiuchi*	10.4	3 39	5	6.85	6.9	6 17 84	6.6	6 28 86	6.85	6 12 87	6.9
2331	53	*Scorpii*	10.6	28 18	3	5.45	5.5	7 3 82	5.4	6 26 86	5.45	6 9 88	5.45
2332	...	"	10.9	13 4	5	7.25	7.3	7 6 82	7.1	7 16 84	7.3	6 28 86	7.25
2333	...	"	11.0	13 8	5	7.3	7.3	7 6 82	7.1	7 16 84	7.3	6 28 86	7.25
2334	55	"	11.6	30 36	3	5.8	5.8	7 3 82	5.9	6 26 86	5.8	6 9 88	5.75
2335	9	*Ophiuchi*	11.7	4 23	3	3.1	3.3	7 6 82	3.1	7 16 84	3.1	6 30 86	3.1
2336	58	*Scorpii*	11.8	19 55	3	6.95	6.8	7 6 82	6.9	6 26 86	6.9	6 9 88	7.0
2337	57	"	12.0	14 34	3	6.6	6.4	7 6 82	6.6	6 28 86	6.7	6 9 88	6.55
2338	59	"	13.1	23 52	8	5.15	5.1	7 3 82	4.9	6 5 86	5.0	6 12 87	5.2
2339	60	"	13.5	12 37	2	6.7	6.7	7 6 82	6.7	6 28 86	6.7	.. .. ..	...
2340	61	"	13.6	25 17	6	3.55	3.4	6 13 82	3.4	6 16 84	3.6	6 18 84	3.7
2341	63	"	15.7	16 43	3	7.1	7.0	7 6 82	7.1	6 12 87	7.1	6 9 88	7.05
2342	10	*Ophiuchi*	16.2	1 47	4	6.65	6.6	6 17 84	6.6	6 30 86	6.75	6 12 87	6.7
2343	11	"	16.8	19 45	5	4.95	4.8	7 3 82	4.9	7 16 84	4.9	6 5 86	5.0
2344	67	*Scorpii*	16.8	29 25	5	5.9	5.9	7 3 82	6.1	6 26 86	5.8	6 12 87	5.9
2345	12–13	*Ophiuchi*	18.1	23 9	4	4.75	4.8	7 3 82	4.75	6 5 86	4.7	6 14 87	4.85
2346	14	"	18.2	2 12	5	7.1	7.0	6 17 84	7.1	6 30 86	7.0	6 13 87	7.2
2347	15	"	19.8	18 10	9	4.85	4.6	7 3 82	5.0	7 16 84	4.6	6 5 86	4.8
2348	17	"	21.0	7 19	4	5.9	5.7	7 13 82	5.9	6 28 86	6.05	6 30 86	5.85
2349	18	"	21.1	8 5	3	5.1	5.2	7 13 82	5.2	6 30 86	5.1	6 11 88	4.95
2350	20	"	22.1	7 51	4	6.75	6.6	7 13 82	6.8	6 28 86	6.65	6 30 86	6.8
2351	70	*Scorpii*	22.6	24 50	5	5.1	5.3	7 3 82	5.1	7 16 84	5.2	6 5 86	5.0
2352	22	*Ophiuchi*	22.7	14 17	3	5.9	6.1	7 6 82	5.9	6 28 86	6.0	6 11 88	5.85
2353	...	"	22.9	10 51	6	7.0	...	5 10 85	7.0	9 8 87	7.0	6 9 88	6.95
2354	73	*Scorpii*	23.7	26 16	2	6.65	6.5	7 6 82	6.65	6 26 86	6.65	.. .. ..	...
2355	23	*Ophiuchi*	23.8	7 14	5	6.7	6.9	7 13 82	6.8	6 28 86	6.55	6 30 86	6.7
2356	24	"	24.0	16 20	4	4.7	4.6	7 3 82	4.75	6 5 86	4.8	6 14 87	4.55
2357	26	"	24.7	21 12	4	4.7	4.7	7 3 82	4.75	6 5 86	4.7	6 14 87	4.6
2358	75	*Scorpii*	28.1	27 57	5	3.25	3.2	6 13 82	3.1	6 16 84	3.3	6 18 84	3.3
2359	...	*Ophiuchi*	29.7	8 36	6	6.95	...	5 10 85	7.0	6 13 87	6.9	9 8 87	6.95
2360	27	"	29.8	2 3	2	6.2	6.3	9 3 82	6.2	6 30 86	6.2	.. . ..	...
2361	28	"	30.3	10 19	3	2.65	2.6	7 6 82	2.7	7 16 84	2.7	6 30 86	2.6
2362	29	"	31.2	17 58	3	6.95	7.0	7 6 82	6.95	6 28 86	6.95	6 11 88	7.0
2363	30	"	31.3	6 17	5	6.3	6.4	7 13 82	6.4	6 30 86	6.25	6 13 87	6.4
2364	31	"	32.0	8 22	5	6.95	6.9	7 13 82	6.8	6 28 86	7.0	6 13 87	7.0
2365	32	"	32.1	0 59	4	7.0	7.0	9 3 82	7.1	6 30 86	7.0	6 13 87	6.9
2366	34	"	32.2	20 10	4	6.6	6.8	7 6 82	6.7	6 28 86	6.55	6 13 87	6.6
2367	33	"	32.8	9 18	4	6.7	6.7	7 13 82	6.8	6 28 86	6.55	6 13 87	6.7
2368	35	"	33.4	5 50	4	6.9	6.8	7 13 82	6.9	6 30 86	6.95	9 8 87	6.85
2369	82	*Scorpii*	33.9	27 34	4	6.95	7.0	7 6 82	6.9	6 26 86	7.0	6 9 88	6.9
2370	36	*Ophiuchi*	34.0	24 13	4	6.3	6.3	7 6 82	6.15	6 13 87	6.4	9 10 87	6.4
2371	37	"	34.1	17 49	4	7.0	7.0	7 6 82	7.1	6 28 86	6.95	6 13 87	7.0
2372	38	"	34.2	8 4	3	6.95	6.9	7 13 82	6.9	6 28 86	7.0	6 9 88	6.95
2373	39	"	34.4	17 30	6	5.45	5.5	7 3 82	5.2	7 16 84	5.6	6 28 86	5.55
2374	40	"	34.6	19 41	3	5.9	6.0	7 6 82	5.9	6 28 86	5.95	6 11 88	5.9
2375	41	"	16 34.7	0 45	3	6.5	6.5	9 3 82	6.5	6 30 86	6.4	6 11 88	6.55

No.	U. A. No.	Name	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd	Mag. U. A.	Separate Observations. Date.	Mag.	Date	Mag.	Date.	Mag.
			h. *m.*	° ′									
2376	88	*Scorpii*	16 36.2	−26 34	4	6.95	6.9	7 6 82	6.9	6 26 86	7.0	6 9 88	6.9
2377	89	"	36.5	27 13	4	6.75	6.8	7 6 82	6.8	6 26 86	6.75	6 9 88	6.75
2378	90	"	37.2	28 17	4	6.4	6.4	7 6 82	6.4	6 26 86	6.3	6 9 88	6.45
2379	92	"	39.2	25 18	4	7.0	7.0	7 6 82	6.9	6 26 86	7.0	6 9 88	7.05
2380	46	*Ophiuchi*	41.4	14 41	3	6.25	6.1	7 19 82	6.3	6 28 86	6.2	6 11 88	6.2
2381	47	"	42.1	24 25	5	6.8	6.7	7 6 82	6.9	6 3 87	6.65	9 10 87	6.85
2382	48	"	42.3	15 27	3	6.3	6.5	7 19 82	6.3	6 28 86	6.3	6 11 88	6.3
2383	49	"	42.9	10 34	4	5.1	5.1	7 13 82	4.8	6 30 86	5.2	6 13 87	5.15
2384	50	"	43.7	16 20	3	6.85	6.9	7 19 82	6.8	6 28 86	6.9	6 11 88	6.9
2385	51	"	43.9	2 26	3	6.6	6.6	9 3 82	6.5	6 30 86	6.6	6 11 88	6.7
2386	53	"	45.6	2 35	3	6.9	7.0	9 3 82	6.85	6 30 86	6.9	6 11 88	6.9
2387	54	"	46.1	20 12	4	6.3	6.1	7 6 82	6.4	7 19 82	6.2	6 28 86	6.35
2388	55	"	46.7	+ 0 14	3	6.9	6.8	9 3 82	6.85	6 30 86	6.9	6 11 88	6.95
2389	56	"	47.6	− 1 24	3	6.55	6.5	9 3 82	6.6	6 30 86	6.6	6 11 88	6.5
2390	57	"	47.7	11 35	4	6.7	6.7	7 19 82	6.5	6 13 87	6.8	9 8 87	6.7
2391	58	"	47.9	5 57	3	5.7	5.8	7 19 82	5.8	6 30 86	5.7	6 13 87	5.6
2392	59	"	48.1	21 22	6	6.8	6.8	7 19 82	6.8	6 13 87	6.5	9 8 87	6.9
2393	60	"	48.8	16 36	3	6.65	6.5	7 19 82	6.6	6 28 86	6.7	6 11 88	6.65
2394	61	"	49.3	22 57	3	5.9	5.9	7 19 82	5.8	6 30 86	6.0	6 13 87	5.9
2395	62	"	49.7	19 20	4	6.55	6.5	7 19 82	6.4	6 28 86	6.55	6 13 87	6.6
2396	63	"	50.5	10 46	2	6.4	6.5	7 19 82	6.4	6 13 87	6.4	.. .. ..	...
2397	64	"	51.6	14 40	3	6.55	6.5	7 19 82	6.6	6 28 86	6.5	6 11 88	6.5
2398	66	"	52.3	24 54	3	6.35	6.3	7 19 82	6.4	6 30 86	6.3	6 11 88	6.35
2399	67	"	52.5	24 48	3	6.15	6.1	7 19 82	6.25	6 30 86	6.1	6 13 87	6.15
2400	68	"	52.5	18 3	4	6.8	6.7	7 19 82	6.9	6 28 86	6.85	6 13 87	6.75
2401	70	"	54.5	4 2	42	5.4	5.5	6 9 82	5.4	7 19 82	5.4	6 30 86	5.45
2402	71	"	54.6	18 42	3	6.8	6.8	7 19 82	6.8	6 28 86	6.85	6 11 88	6.8
2403	74	"	56.3	25 31	3	6.75	6.8	7 19 82	6.8	6 30 86	6.7	6 11 88	6.75
2404	73	"	56.6	28 24	3	6.85	6.7	7 19 82	6.8	6 30 86	6.9	6 11 88	6.9
2405	75	"	57.0	25 28	3	6.7	6.7	7 19 82	6.65	6 30 86	6.65	6 11 88	6.75
2406	76	"	57.3	+ 0 2	2	6.8	6.8	7 20 82	6.8	6 30 86	6.8	.. .. ..	...
2407	77	"	57.4	−20 19	3	6.5	6.4	7 19 82	6.6	6 13 87	6.55	6 11 88	6.4
2408	78	"	58.0	21 54	4	7.0	7.0	7 19 82	7.1	6 13 87	6.9	9 8 87	7.15
2409	79	"	58.7	21 23	3	6.45	6.6	7 19 82	6.4	6 13 87	6.4	6 11 88	6.55
2410	81	"	58.9	+ 0 53	3	6.25	6.2	7 2 82	6.3	7 20 82	6.2	6 30 86	6.25
2411	82	"	59.1	− 0 43	4	5.95	5.9	7 2 82	5.85	7 20 82	6.0	6 30 86	5.9
2412	80	"	16 59.2	26 21	4	6.5	6.6	7 19 82	6.4	6 30 86	6.6	6 13 87	6.5
2413	84	"	17 0.4	0 29	4	6.5	6.6	7 2 82	6.5	7 20 82	6.5	6 30 86	6.45
2414	85	"	1.0	17 27	4	6.45	6.6	7 19 82	6.4	6 28 86	6.55	9 10 87	6.3
2415	86	"	1.8	0 55	5	6.2	6.3	7 2 82	6.2	7 20 82	6.2	6 30 86	6.25
2416	87	"	2.3	3 43	3	6.65	6.7	7 20 82	6.7	9 10 87	6.6	6 29 88	6.6
2417	88	"	2.9	10 21	3	5.75	5.8	7 20 82	5.7	9 10 87	5.75	7 6 88	5.75
2418	89	"	2.9	19 17	4	7.0	7.0	7 19 82	7.1	9 10 87	6.9	9 15 87	7.1
2419	90	"	3.2	15 34	4	2.55	2.4	7 6 82	2.6	7 16 84	2.6	6 30 86	2.4
2420	91	"	3.7	12 32	5	6.8	6.5	7 20 82	6.9	9 10 87	6.8	9 16 87	6.7
2421	92	"	3.9	+ 0 39	3	6.95	7.0	7 20 82	7.0	6 30 86	6.9	7 6 88	6.9
2422	93	"	4.4	−26 53	6	6.9	7.0	7 13 82	6.7	6 30 86	6.9	9 10 87	6.95
2423	94	"	4.6	25 6	4	6.65	6.6	7 13 82	6.7	6 30 86	6.65	9 10 87	6.6
2424	95	"	4.6	27 36	5	6.3	6.3	7 13 82	6.4	6 30 86	6.3	9 10 87	6.25
2425	98	"	6.2	27 39	6	6.9	7.0	7 13 82	6.7	6 30 86	6.9	9 10 87	6.95
2426	99	"	6.5	26 50	6	6.9	7.0	7 13 82	6.7	6 30 86	6.9	9 10 87	6.95
2427	100	"	6.5	15 25	3	6.85	6.8	7 19 82	6.85	6 28 86	6.8	9 24 88	6.9
2428	101	"	17 6.5	+ 0 31	3	6.85	6.8	7 2 82	6.8	7 20 82	6.9	6 30 86	6.9

No.	U. A. No.	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U. A.	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. *m.*	° ′									
2429	103-4	*Ophiuchi*	17 7.7	−26 25	3	4.9	4.9	7 13 82	4.8	6 30 86	5.0	9 10 87	4.9
2430	105	"	8.2	14 26	3	6.4	6.3	7 19 82	6.35	6 28 86	6.45	7 3 88	6.45
2431	106	"	8.6	26 22	5	6.95	6.8	6 30 86	6.9	9 10 87	7.0	6 11 88	6.9
2432	107	"	8.8	9 40	5	7.05	7.0	7 20 82	7.0	9 10 87	6.9	7 6 88	7.2
2433	...	"	9.9	26 29	4	7.0	...	9 10 87	7.1	6 11 88	6.9	9 27 88	7.0
2434	109	"	10.0	6 6	2	6.3	6.3	7 20 82	6.3	9 18 86	6.3	.. .. ..	...
2435	110	"	10.2	+ 1 21	..	var.	var.	7 2 82	6.1	.. .. ..	...	.. .. ..	...
2436	111	"	10.2	− 0 18	3	5.15	5.1	7 19 82	5.2	9 10 87	5.1	6 29 88	5.1
2437	112-3	"	10.4	24 9	3	5.55	5.5	7 13 82	5.5	6 30 86	5.6	7 6 88	5.55
2438	114	"	10.5	23 56	4	6.9	6.9	7 13 82	7.0	6 30 86	6.8	9 10 87	6.9
2439	115	"	11.1	16 11	4	6.9	7.0	7 19 82	6.85	6 28 86	7.05	9 10 87	6.85
2440	116	"	11.3	+ 1 53	5	6.95	6.9	7 2 82	7.0	9 10 87	6.95	7 6 88	6.9
2441	118	"	12.3	− 2 40	4	6.65	6.7	7 20 82	6.7	9 10 87	6.65	6 29 88	6.6
2442	119	"	12.6	17 37	3	6.2	6.1	7 19 82	6.1	9 10 87	6.3	9 15 87	6.2
2443	121	"	13.2	19 12	3	6.85	6.8	7 19 82	6.85	9 10 87	6.85	7 6 88	6.8
2444	122	"	13.3	5 47	4	6.6	6.5	7 20 82	6.5	9 18 86	6.7	9 10 87	6.5
2445	124	"	13.5	20 59	4	4.9	5.1	7 13 82	5.1	6 30 86	4.8	9 10 87	4.85
2446	1	*Serpentis Cau.*	13.8	12 43	4	4.45	4.6	7 19 82	4.5	6 30 86	4.4	9 30 86	4.4
2447	2	" "	13.9	10 34	3	6.55	6.6	7 20 82	6.6	6 30 86	6.5	6 29 88	6.55
2448	125	*Ophiuchi*	14.0	24 47	4	6.95	6.8	6 30 86	7.0	9 16 87	7.0	9 28 88	6.85
2449	126	"	14.3	24 52	5	3.75	3.6	7 13 82	3.9	9 10 87	3.9	9 16 87	3.6
2450	127	"	15.5	24 59	4	7.3	7.0	7 13 82	7.4	6 30 86	7.2	9 16 87	7.5
2451	128	"	15.5	28 1	4	5.85	5.8	7 13 82	5.8	9 16 87	5.7	7 6 88	5.95
2452	130	"	16.3	6 58	3	6.95	6.9	7 20 82	6.95	9 18 86	6.9	7 6 88	6.95
2453	131	"	16.3	2 16	4	6.5	6.5	7 20 82	6.4	9 16 87	6.5	6 29 88	6.6
2454	3	*Serpentis Cau.*	16.4	15 55	4	6.9	6.9	7 19 82	6.85	6 28 86	6.8	6 29 88	7.0
2455	132	*Ophiuchi*	17.2	21 19	5	6.3	6.4	7 13 82	6.2	9 12 86	6.3	6 30 86	6.3
2456	133	"	17.3	18 20	4	6.45	6.4	7 19 82	6.35	9 16 87	6.5	10 13 87	6.5
2457	...	"	17.5	24 8	3	6.95	...	9 16 87	7.0	9 27 88	7.0	9 28 89	6.8
2458	135	"	18.7	24 4	4	4.6	4.5	7 13 82	4.4	6 30 86	4.7	9 16 87	4.6
2459	136	"	19.2	25 50	4	6.5	6.5	7 13 82	6.5	6 30 86	6.45	7 6 88	6.65
2460	137	"	19.3	6 28	3	6.95	6.9	7 20 82	6.95	9 18 86	6.9	7 6 88	6.95
2461	138	"	19.5	1 33	3	6.7	6.5	7 20 82	6.7	9 16 87	6.65	6 29 88	6.7
2462	139	"	19.4	29 45	4	4.6	4.6	7 13 82	4.4	9 16 87	4.75	7 6 88	4.6
2463	140	"	19.7	29 37	6	6.5	6.7	7 13 82	7.0	9 16 87	6.55	10 13 87	6.3
2464	141	"	20.0	4 58	4	4.75	4.5	7 19 82	4.9	6 30 86	4.8	9 30 86	4.7
2465	4	*Serpentis Cau.*	20.0	15 45	4	6.95	7.0	7 19 82	7.1	6 28 86	6.8	9 10 87	6.95
2466	5	" "	20.0	12 24	5	6.5	6.5	7 20 82	6.4	6 30 86	6.4	9 16 87	6.55
2467	144	*Ophiuchi*	21.3	8 6	3	6.6	6.4	7 20 82	6.5	9 18 86	6.7	9 16 87	6.6
2468	146	"	22.5	+ 0 26	4	5.6	5.6	7 20 82	5.8	9 16 87	5.5	10 13 87	5.5
2469	147	"	23.1	− 5 49	4	6.65	6.6	7 20 82	6.5	9 18 86	6.7	9 16 87	6.6
2470	148	"	23.7	4 16	3	6.9	6.9	7 20 82	6.95	9 18 86	6.9	6 29 88	6.9
2471	149	"	23.8	23 52	4	5.15	5.2	7 13 82	5.1	6 30 86	5.2	7 6 88	5.2
2472	150	"	24.0	0 57	4	5.6	5.7	7 20 82	5.5	9 16 87	5.6	6 29 88	5.55
2473	151	"	24.0	26 10	5	6.1	6.2	7 13 82	6.1	6 30 86	6.3	9 16 87	5.9
2474	153	"	26.8	5 39	4	5.85	5.9	7 20 82	5.8	9 18 86	5.8	6 29 88	5.95
2475	154	"	27.8	21 57	3	6.7	6.5	7 13 82	6.7	9 21 86	6.65	7 6 88	6.7
2476	6	*Serpentis Cau.*	27.8	11 9	4	5.8	5.8	7 20 82	5.8	6 30 86	5.9	9 16 87	5.8
2477	7	" "	28.1	13 33	4	6.9	6.9	7 20 82	6.9	6 30 86	6.75	9 16 87	7.0
2478	156	*Ophiuchi*	29.0	6 2	3	6.7	6.9	7 20 82	6.75	9 18 86	6.7	6 29 88	6.7
2479	8	*Serpentis Cau.*	30.4	15 19	4	3.85	3.7	6 30 86	3.7	9 30 86	3.9	9 16 87	3.9
2480	9	" "	30.4	15 30	7	6.7	6.8	7 20 82	6.9	6 30 86	6.5	9 30 86	6.8
2481	157	*Ophiuchi*	17 31.1	8 2	4	4.7	4.7	7 19 82	4.7	6 30 86	4.7	9 30 86	4.8

No.	U. A. No.	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U.A.	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. *m.*	° ′									
2482	10	*Serpentis Cau.*	17 31.2	−10 51	4	6.15	6.1	7 20 82	6.1	6 30 86	6.2	9 16 87	6.1
2483	158	*Ophiuchi*	31.2	21 50	4	6.65	6.8	7 13 82	6.5	9 21 86	6.65	9 16 87	6.7
2484	161	"	33.5	0 34	3	6.65	6.4	9 5 82	6.6	9 16 87	6.7	7 6 88	6.7
2485	162	"	33.7	2 5	5	6.55	6.5	9 5 82	6.6	9 16 87	6.4	10 13 87	6.45
2486	11	*Serpentis Cau.*	34.4	12 48	4	4.5	4.7	7 19 82	4.5	6 30 86	4.55	9 30 86	4.6
2487	163	*Ophiuchi*	35.4	27 49	5	6.6	6.8	8 13 82	6.45	7 16 84	6.6	9 21 86	6.6
2488	165	"	36.0	21 37	4	5.5	5.4	7 13 82	5.6	9 22 86	5.6	9 24 88	5.4
2489	166	"	36.0	4 47	5	7.05	6.7	9 15 82	7.0	9 16 87	7.0	7 6 88	7.2
2490	1	*Sagittarii*	36.9	22 8	4	6.85	6.8	7 13 82	6.9	9 21 86	6.85	7 3 88	6.7
2491	12	*Serpentis Cau.*	36.8	13 27	7	6.65	6.6	7 20 82	6.4	6 30 86	6.7	9 16 87	6.55
2492	167	*Ophiuchi*	37.0	7 1	3	6.5	6.6	7 20 82	6.5	9 18 86	6.5	9 16 87	6.5
2493	3	*Sagittarii*	40.2	22 26	4	6.75	6.7	7 13 82	6.7	9 21 86	6.85	9 16 87	6.75
2494	13	*Serpentis Cau.*	40.5	14 41	4	6.1	6.1	7 20 82	6.1	6 30 86	6.1	9 30 86	6.05
2495	4	*Sagittarii*	40.7	26 56	5	6.7	6.7	8 13 82	6.9	7 16 84	6.6	9 21 86	6.6
2496	5	"	42.5	27 1	7	7.1	7.0	8 13 82	7.25	7 16 84	7.1	9 21 86	7.2
2497	6	"	44.4	19 29	3	6.95	6.9	9 13 82	7.0	9 22 86	6.9	7 3 88	6.95
2498	176	*Ophiuchi*	45.5	1 12	3	6.7	6.6	7 15 84	6.75	9 20 86	6.8	7 6 88	6.65
2499	7	*Sagittarii*	45.7	27 15	8	6.9	6.8	8 13 82	6.45	7 16 84	6.7	9 21 86	7.1
2500	175	*Ophiuchi*	46.0	6 7	..	var.	6.7	9 5 82	6.4	9 18 86	6.5	10 19 86	6.5
2501	178	"	46.0	5 14	5	6.95	7.0	9 5 82	6.8	9 18 86	7.1	10 19 86	7.0
2502	14	*Serpentis Cau.*	46.1	10 52	3	6.6	6.4	9 5 82	6.6	6 30 86	6.7	6 29 88	6.5
2503	15	" "	47.2	11 19	4	6.85	6.7	9 5 82	7.0	6 30 86	6.75	9 16 87	6.8
2504	8	*Sagittarii*	47.2	24 52	5	6.5	6.6	9 3 82	6.6	9 22 86	6.3	9 17 87	6.6
2505	181	*Ophiuchi*	47.6	1 35	3	6.85	6.9	7 15 84	6.85	9 20 86	6.85	10 8 88	6.8
2506	9	*Sagittarii*	48.6	18 47	9	6.7	6.7	9 13 82	6.95	9 22 86	6.6	10 19 86	6.8
2507	10	"	48.8	28 3	5	6.0	6.0	8 13 82	6.1	9 12 86	5.95	9 16 87	6.0
2508	11	"	48.8	21 56	5	7.0	7.0	9 3 82	7.0	9 22 86	7.1	9 16 87	7.0
2509	16	*Serpentis Cau.*	49.1	15 47	4	5.95	5.9	9 5 82	5.85	9 30 86	5.9	6 29 88	6.05
2510	183	*Ophiuchi*	50.2	4 4	4	5.7	5.8	9 5 82	5.8	9 18 86	5.6	10 19 86	5.7
2511	184	"	50.7	+ 0 5	2	6.4	6.4	7 15 84	6.4	9 20 86	6.4	.. .. ..	...
2512	13	*Sagittarii*	50.7	−28 45	7	6.2	6.2	8 13 82	6.3	7 16 84	6.3	9 21 86	5.95
2513	14	"	51.1	30 14	4	5.6	5.4	8 13 82	5.5	9 21 86	5.6	7 10 88	5.7
2514	186	*Ophiuchi*	52.2	9 45	4	3.5	3.5	6 30 86	3.5	9 20 86	3.6	9 30 86	3.35
2515	15	*Sagittarii*	52.2	23 48	3	5.35	5.4	9 3 82	5.4	9 22 86	5.3	7 10 88	5.3
2516	16	"	52.6	20 20	5	6.75	6.7	9 13 82	6.6	9 22 86	6.9	10 19 86	6.9
2517	187	*Ophiuchi*	53.0	4 48	5	6.35	6.1	9 5 82	6.4	9 18 86	6.5	10 19 86	6.2
2518	188	"	53.9	+ 0 38	3	6.7	6.8	7 15 84	6.65	9 23 86	6.7	7 6 88	6.7
2519	17	*Serpentis Cau.*	53.9	− 3 41	3	4.95	4.9	9 5 82	5.0	9 20 86	4.9	6 29 88	4.95
2520	18	*Sagittarii*	54.1	17 9	4	7.0	6.9	9 5 82	7.05	9 16 87	7.0	7 10 88	6.9
2521	21	"	54.3	22 47	5	6.3	6.3	9 13 82	6.2	9 22 86	6.2	9 16 87	6.3
2522	...	"	55.0	22 54	4	7.15	7.1	9 3 82	7.0	9 22 86	7.25	9 16 87	7.2
2523	19	"	55.2	20 44	4	6.95	7.0	9 3 82	6.95	9 22 86	6.9	7 3 88	6.95
2524	20	"	55.2	24 17	3	5.95	5.9	9 3 82	5.9	9 22 86	5.9	10 2 86	6.0
2525	22	"	55.5	22 43	3	6.95	7.0	9 3 82	7.0	9 22 86	6.9	7 10 88	6.95
2526	18	*Serpentis Cau.*	55.9	3 9	3	6.85	6.9	9 5 82	6.8	7 15 84	6.85	9 20 86	6.9
2527	194	*Ophiuchi*	56.1	5 21	6	6.9	6.9	9 5 82	6.6	9 18 86	7.1	10 19 86	7.1
2528	24	*Sagittarii*	56.2	24 22	6	6.3	6.0	9 3 82	6.1	9 22 86	6.5	9 16 87	6.2
2529	195	*Ophiuchi*	56.3	8 11	3	5.25	5.3	9 5 82	5.3	9 16 87	5.2	7 6 88	5.2
2530	23	*Sagittarii*	56.7	22 30	7	6.95	6.8	9 3 82	7.0	9 22 86	6.8	10 13 87	7.0
2531	26	"	57.0	29 35	3	var.	var.	8 13 82	5.6	9 21 86	5.0	7 10 88	5.25
2532	27	"	57.5	24 24	3	6.6	6.5	9 3 82	6.4	10 13 87	6.7	9 24 88	6.8
2533	28	"	57.8	30 25	5	3.2	2.8	7 6 82	3.2	7 7 82	3.0	7 16 82	3.4
2534	19	*Serpentis Cau.*	17 59.3	8 20	6	6.0	6.2	9 5 82	5.8	9 20 86	6.0	9 15 87	6.2

No.	U. A. No.	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U.A.	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. *m.*	° ′									
2535	20	*Serpentis Cau.*	17 59.6	− 4 46	5	5.95	6.0	9 5 82	6.1	9 18 86	5.9	10 19 86	5.9
2536	21	" "	59.7	0 27	3	6.7	6.7	7 15 84	6.65	9 20 86	6.7	6 29 88	6.7
2537	30	*Sagittarii*	17 59.7	21 27	4	6.55	6.7	9 13 82	6.6	9 22 86	6.6	7 3 88	6.5
2538	31	"	18 0.2	28 28	3	5.1	5.1	8 13 82	5.05	9 21 86	5.0	9 30 88	5.25
2539	32	"	0.6	17 10	4	5.9	5.9	9 5 82	5.85	9 22 86	5.8	10 16 86	5.9
2540	22	*Serpentis Cau.*	0.4	3 15	3	6.95	7.0	9 15 82	7.0	7 15 84	6.95	9 20 86	6.9
2541	34	*Sagittarii*	1.2	21 28	6	6.95	7.0	9 13 82	6.9	9 22 86	6.9	7 3 88	6.95
2542	35	"	1.5	26 7	..	var.?	6.7	9 5 82	6.9	10 2 86	7.1	10 13 87	8.0
2543	37	"	2.0	30 45	5	6.0	5.9	9 5 82	6.05	9 21 86	5.95	7 10 88	6.0
2544	23	*Serpentis Cau.*	2.1	2 56	3	6.95	6.8	9 15 82	7.0	7 15 84	6.95	9 20 86	6.9
2545	24	" "	2.7	13 57	3	6.8	6.7	9 17 82	6.8	9 30 86	6.7	8 29 88	6.85
2546	39	*Sagittarii*	3.8	19 52	2	6.6	6.6	9 13 82	6.6	9 22 86	6.6	.. .. ..	...
2547	40	"	4.1	23 43	4	5.65	5.7	9 3 82	5.75	10 2 86	5.55	9 16 87	5.55
2548	25	*Serpentis Cau.*	4.8	5 14	7	6.9	7.0	9 5 82	6.6	9 20 86	6.75	9 10 87	6.95
2549	41	*Sagittarii*	6.3	21 5	2	4.2	4.3	9 5 82	4.2	9 22 86	4.2	.. .. ..	...
2550	26	*Serpentis Cau.*	6.6	4 3	5	6.7	6.8	9 5 82	6.6	9 20 86	6.75	9 10 87	6.75
2551	42	*Sagittarii*	6.8	21 45	4	6.15	6.0	9 3 82	6.1	9 22 86	6.2	9 16 87	6.2
2552	43	"	7.8	20 46	4	5.7	5.8	9 3 82	5.8	9 22 86	5.7	10 16 86	5.6
2553	44	"	7.8	20 25	5	6.25	6.6	9 3 82	6.3	9 22 86	6.3	9 16 87	6.3
2554	45	"	8.2	18 42	4	6.3	6.5	9 5 82	6.3	9 22 86	6.25	10 16 86	6.4
2555	27	*Serpentis Cau.*	9.4	3 39	6	6.6	6.6	9 5 82	6.4	9 20 86	6.6	9 10 87	6.55
2556	48	*Sagittarii*	9.5	28 19	3	6.7	6.7	9 5 82	6.7	10 2 86	6.65	7 10 88	6.75
2557	49	"	9.5	28 42	4	6.55	6.6	9 5 82	6.5	10 2 86	6.4	7 10 88	6.65
2558	50	"	9.9	17 25	6	6.55	6.4	9 5 82	6.3	9 22 86	6.6	10 16 86	6.6
2559	51	"	10.2	27 5	5	5.1	5.1	8 13 82	4.9	10 2 86	5.2	10 19 86	5.1
2560	52	"	10.2	18 30	5	6.95	6.9	9 5 82	7.05	9 16 87	6.9	11 2 87	6.95
2561	28	*Serpentis Cau.*	10.3	3 2	5	6.45	6.3	9 5 82	6.4	9 20 86	6.5	9 10 87	6.35
2562	29	" "	10.5	9 48	4	6.5	6.5	9 4 82	6.45	9 20 86	6.4	8 29 88	6.6
2563	...	*Sagittarii*	10.5	18 51	4	7.0	7.1	9 5 82	7.05	9 16 87	7.0	7 10 88	6.9
2564	53	"	11.0	25 39	3	7.0	6.9	8 13 82	7.0	9 21 86	6.9	7 10 88	7.05
2565	30	*Serpentis Cau.*	11.1	12 17	4	6.9	6½	9 17 82	6.9	9 30 86	7.0	8 29 88	6.8
2566	...	*Sagittarii*	11.4	18 40	4	6.95	7.0	9 5 82	7.05	9 16 87	7.0	7 10 88	6.9
2567	31	*Serpentis Cau.*	12	13 50	4	6.75	6¾	9 17 82	6.9	9 30 86	6.55	9 15 87	6.75
2568	32	" "	13.0	15 53	3	5.9	5.8	9 5 82	5.85	9 15 87	5.9	9 24 88	6.0
2569	54	*Sagittarii*	13.0	29 53	4	3.05	2.8	7 6 82	3.1	7 7 82	3.0	7 16 84	3.1
2570	33	*Serpentis Cau.*	13.3	8 2	3	6.75	6.6	9 4 82	6.8	9 20 86	6.75	8 29 88	6.75
2571	55	*Sagittarii*	13.4	26 8	2	7.0	7.0	8 13 82	7.0	9 21 86	7.0	.. .. ..	...
2572	56	"	13.8	24 58	6	6.9	var.	8 13 82	7.0	9 21 86	7.0	9 16 87	6.9
2573	57	"	14.0	18 55	2	var.	6.0	9 5 82	6.15	9 22 86	6.6	.. .. ..	...
2574	58	"	14.1	28 29	3	6.45	6.5	9 5 82	6.5	10 2 86	6.4	7 10 88	6.4
2575	34	*Serpentis Cau.*	14.8	2 56	4	3.4	3.5	9 20 86	3.3	9 15 87	3.4	8 29 88	3.4
2576	1	*Scuti*	16.1	10 17	3	6.6	6.8	9 14 82	6.6	9 20 86	6.5	8 29 88	6.65
2577	2	"	16.2	12 4	3	6.1	6.0	9 4 82	6.2	9 20 86	6.0	9 14 87	6.1
2578	3	"	16.8	9 0	6	5.15	5.3	9 4 82	5.0	9 20 86	5.2	9 14 87	5.1
2579	63	*Sagittarii*	17.0	30 49	3	5.95	6.0	9 5 82	5.85	10 1 86	5.9	7 10 88	6.05
2580	36	*Serpentis Cau.*	17.5	3 39	11	6.6	6.7	9 5 82	6.4	9 20 86	6.6	9 15 87	6.8
2581	4	*Scuti*	17.9	7 8	3	6.8	6.7	9 4 82	6.8	9 20 86	6.75	8 29 88	6.8
2582	65	*Sagittarii*	17.9	20 36	7	5.3	5.1	9 5 82	4.95	9 22 86	5.3	10 16 86	5.2
2583	37	*Serpentis Cau.*	18.5	1 39	3	6.5	6.4	9 4 82	6.5	9 20 86	6.5	8 30 88	6.45
2584	66	*Sagittarii*	19.8	29 53	3	6.25	6.2	9 5 82	6.25	10 1 86	6.3	7 10 88	6.15
2585	68	"	19.9	26 42	2	6.8	6.8	8 13 82	6.8	9 21 86	6.8	.. .. ..	...
2586	67	"	20.3	25 29	4	3.0	2.7	7 6 82	3.0	7 7 82	3.0	7 16 84	2.9
2587	69	"	18 20.3	26 50	3	6.7	6.6	8 13 82	6.7	9 21 86	6.75	7 10 88	6.7

No.	U. A. No.	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U. A.	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. m.	° ′									
2588	5	*Scuti*	18 20.4	− 8 7	4	6.85	7.0	9 4 82	6.9	9 20 86	6.75	9 14 87	6.9
2589	71	*Sagittarii*	20.7	17 53	3	6.55	6.6	9 5 82	6.6	9 22 86	6.5	10 16 86	6.5
2590	41	*Serpentis Cau.*	20.8	+ 0 7	3	5.65	5.5	9 4 82	5.6	9 20 86	5.7	8 30 88	5.6
2591	70	*Sagittarii*	21.2	−26 40	2	6.8	6.9	8 13 82	6.8	9 21 86	6.8	.. .. ..	...
2592	72	"	21.3	29 20	3	6.95	7.0	9 5 82	6.9	10 1 86	7.0	7 10 88	7.0
2593	73	"	21.7	25 20	4	6.8	7.0	8 13 82	6.9	9 21 86	6.8	7 10 88	6.8
2594	6	*Scuti*	22.1	14 39	3	4.75	4.8	9 17 82	4.8	9 14 87	4.7	8 29 88	4.8
2595	7	"	22.7	14 40	4	6.65	6.5	9 17 82	6.8	9 29 86	6.6	9 14 87	6.7
2596	74	*Sagittarii*	22.9	18 48	5	6.2	6.0	9 5 82	6.3	9 22 86	6.15	10 16 86	6.15
2597	45	*Serpentis Cau.*	23.2	2 4	3	5.85	5.8	9 4 82	5.8	9 20 86	5.9	8 30 88	5.8
2598	8	*Scuti*	23.6	5 48	4	6.6	6.5	9 4 82	6.45	9 20 86	6.7	9 14 87	6.6
2599	76	*Sagittarii*	24.1	18 29	5	5.2	5.5	9 5 82	5.4	9 22 86	5.1	9 16 87	5.0
2600	9	*Scuti*	24.5	10 53	4	6.0	6.1	9 4 82	6.0	9 20 86	5.95	9 14 87	6.05
2601	...	"	25.2	14 44	5	6.8	...	9 17 82	6.8	9 29 86	6.6	9 14 87	6.7
2602	48	*Serpentis Cau.*	25.5	1 5	4	6.2	6.3	9 4 82	6.25	9 20 86	6.2	9 15 87	6.15
2603	10	*Scuti*	25.6	14 57	9	6.3	5.9	9 17 82	6.0	9 29 86	6.4	10 23 86	6.45
2604	78	*Sagittarii*	26.3	24 7	4	6.05	5.9	9 5 82	5.9	9 21 86	6.1	9 16 87	6.1
2605	11	*Scuti*	26.5	14 57	7	6.1	6.4	9 17 82	6.3	9 29 86	6.0	9 14 87	6.0
2606	12	"	26.7	6 0	3	6.45	6.5	9 14 82	6.45	9 20 86	6.5	9 14 87	6.45
2607	...	*Sagittarii*	26.9	24 19	3	6.85	...	9 5 82	7.0	9 21 86	6.7	9 16 87	6.8
2608	79	"	27.9	20 56	3	6.8	6.8	8 13 82	6.8	9 15 87	6.8	7 10 88	6.75
2609	80	"	28.0	29 48	4	6.85	6.9	9 5 82	6.7	10 1 86	6.9	9 16 87	7.05
2610	13	*Scuti*	28.1	11 4	5	5.65	5.7	9 4 82	5.8	9 17 82	5.35	9 20 86	5.7
2611	14	"	28.4	8 20	6	3.75	3.6	8 12 82	3.55	9 20 86	3.85	9 24 86	4.0
2612	81	*Sagittarii*	28.8	24 1	4	6.4	6.1	9 5 82	6.5	9 21 86	6.3	10 13 87	6.45
2613	82	"	29.2	28 37	2	7.0	7.0	9 5 82	7.0	10 1 86	7.0	.. .. ..	...
2614	83	"	30.4	21 30	3	6.05	6.2	8 13 82	6.05	9 15 87	6.0	7 10 88	6.1
2615	84	"	30.9	23 37	3	6.05	6.1	9 5 82	6.2	9 21 86	6.1	7 10 88	5.9
2616	56	*Serpentis Cau.*	31.0	3 1	3	6.9	6.8	9 4 82	6.85	9 21 86	6.9	8 30 88	6.9
2617	15	*Scuti*	31.0	14 7	4	6.6	6.6	9 17 82	6.55	9 29 86	6.6	9 14 87	6.5
2618	16	"	31.1	4 55	3	6.95	7.0	9 4 82	6.9	9 20 86	7.0	8 30 88	6.95
2619	57	*Serpentis Cau.*	31.2	0 25	3	6.0	6.1	9 4 82	6.0	9 20 86	5.9	8 30 88	6.05
2620	58	" "	31.4	2 42	3	6.9	6.9	9 4 82	6.9	9 21 86	6.9	8 30 88	6.9
2621	86	*Sagittarii*	31.4	21 9	4	6.15	6.0	8 13 82	6.05	9 15 87	6.25	10 13 87	6.1
2622	60	*Serpentis Cau.*	31.8	3 18	3	6.7	6.7	9 4 82	6.7	9 21 86	6.7	8 30 88	6.7
2623	61	" "	31.9	1 13	3	6.8	6.8	9 4 82	6.7	9 21 86	6.8	8 30 88	6.9
2624	87	*Sagittarii*	32.5	20 11	4	6.95	7.0	8 13 82	6.8	9 15 87	7.0	9 16 87	7.0
2625	17	*Scuti*	33.2	7 54	10	6.6	6.4	9 14 82	6.25	9 20 86	6.7	10 23 86	6.9
2626	88	*Sagittarii*	34.2	23 57	4	6.4	6.6	9 5 82	6.5	9 21 86	6.4	7 10 88	6.35
2627	18	*Scuti*	34.6	14 41	7	6.7	6.7	9 17 82	6.55	9 29 86	6.6	10 23 86	6.8
2628	65	*Serpentis Cau.*	35.0	3 14	3	6.9	6.9	9 4 82	6.85	9 21 86	6.9	8 30 88	6.9
2629	19	*Scuti*	35.4	9 10	6	5.1	5.1	8 12 82	5.1	9 4 82	5.2	9 20 86	5.2
2630	89	*Sagittarii*	35.6	19 24	4	7.0	6.9	8 13 82	7.1	9 15 87	6.95	10 13 87	7.0
2631	20	*Scuti*	35.9	7 12	4	6.65	6.7	9 4 82	6.6	9 20 86	6.8	9 14 87	6.65
2632	21	"	36.7	8 24	9	5.3	5.2	8 12 82	5.55	9 4 82	5.4	9 20 86	5.4
2633	92	*Sagittarii*	36.8	19 27	4	7.0	7.0	8 13 82	7.1	9 15 87	6.95	10 13 87	7.0
2634	22	*Scuti*	37.1	6 56	4	6.7	6.7	9 4 82	6.6	9 20 86	6.8	9 14 87	6.75
2635	94	*Sagittarii*	37.1	25 8	6	6.0	6.2	9 5 82	5.85	9 21 86	5.95	9 16 87	6.1
2636	95	"	37.9	27 7	7	3.3	3.7	7 6 82	3.1	7 7 82	3.4	9 5 82	3.5
2637	96	"	37.9	21 8	4	6.6	6.7	8 13 82	6.45	9 20 86	6.65	9 15 87	6.6
2638	97	"	38.2	27 38	5	7.0	7.0	9 5 82	7.1	9 29 86	6.9	9 16 87	7.1
2639	1	*Aquilæ*	38.5	0 30	4	7.0	7.0	10 2 82	7.1	9 21 86	6.9	9 14 87	7.0
2640	98	*Sagittarii*	18 38.6	19 44	4	6.9	6.9	8 13 82	6.8	9 15 87	7.0	10 13 87	6.85

No.	U. A. No.	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U. A.	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. m	° ′									
2641	99	*Sagittarii*	18 38.8	−22 31	8	5.9	5.6	8 12 82	5.9	7 16 84	5.9	9 20 86	6.25
2642	23	*Scuti*	39.8	10 15	3	6.25	6.2	9 4 82	6.25	9 14 87	6.25	8 30 88	6.25
2643	3	*Aquilæ*	40.0	1 6	2	6.3	6.2	10 2 82	6.3	9 21 86	6.3	.. .. ..	...
2644	24	*Scuti*	40.5	4 53	5	4.5	4.5	8 12 82	4.6	9 20 86	4.15	9 14 87	4.7
2645	103	*Sagittarii*	41.4	18 44	6	6.55	6.8	8 13 82	6.8	9 15 87	6.5	10 13 87	6.45
2646	26	*Scuti*	42.0	6 9	3	6.85	7.0	9 21 86	6.9	9 14 87	6.85	10 30 88	6.8
2647	104	*Sagittarii*	42.3	20 28	5	5.7	5.5	8 13 82	5.7	9 22 86	5.7	7 10 88	5.5
2648	27	*Scuti*	43.0	6 3	5	6.6	6.5	9 21 86	6.7	9 14 87	6.6	10 8 88	6.55
2649	4	*Aquilæ*	43.3	+ 0 42	4	6.5	6.6	9 21 86	6.5	9 14 87	6.55	10 12 87	6.5
2650	105	*Sagittarii*	43.3	−22 18	5	6.65	6.6	8 12 82	6.6	7 16 84	6.7	9 20 86	6.65
2651	28	*Scuti*	43.5	13 43	4	6.8	7.0	9 17 82	6.8	9 29 86	7.0	9 14 87	6.7
2652	29	"	44.1	9 55	4	6.45	6.4	9 4 82	6.6	9 14 87	6.45	10 12 87	6.4
2653	...	*Aquilæ*	44.5	3 24	8	7.35	7.5	10 2 82	7.1	9 21 86	7.4	10 19 86	7.5
2654	106	*Sagittarii*	44.6	22 4	5	6.9	7.0	8 12 82	6.9	7 16 84	6.9	9 20 86	6.8
2655	108	"	44.7	29 32	4	6.6	6.5	9 5 82	6.7	9 29 86	6.75	9 6 87	6.5
2656	109	"	44.7	26 48	3	6.8	6.8	9 5 82	6.8	9 29 86	6.8	10 30 88	6.8
2657	5	*Aquilæ*	44.8	3 28	3	6.5	6.5	10 2 82	6.5	9 21 86	6.45	8 30 88	6.6
2658	31	*Scuti*	46.2	9 44	4	6.75	6.7	9 4 82	6.85	9 14 87	6.65	10 12 87	6.8
2659	110	*Sagittarii*	46.5	21 31	6	6.4	6.0	8 12 82	6.35	7 16 84	6.2	9 20 86	6.45
2660	111	"	46.6	22 54	4	4.9	5.0	8 12 82	4.9	7 16 84	5.0	9 20 86	4.8
2661	112	"	47.5	26 27	5	2.4	2.4	7 6 82	2.5	7 7 82	2.2	9 5 82	2.5
2662	113	"	47.6	22 50	4	5.1	5.1	8 12 82	5.05	7 16 84	5.1	9 20 86	5.0
2663	32	*Scuti*	47.6	15 45	3	5.4	5.5	9 15 82	5.3	9 24 86	5.35	8 29 88	5.5
2664	114	*Sagittarii*	48.3	16 32	6	5.7	5.8	9 15 82	5.65	9 24 86	5.55	9 16 87	5.5
2665	116	"	48.4	23 20	6	6.2	6.4	8 12 82	6.35	7 16 84	6.4	9 20 86	6.25
2666	117	"	48.5	18 41	4	6.95	6.9	8 12 82	6.95	9 24 86	6.9	10 13 87	7.0
2667	6	*Aquilæ*	49.9	1 58	3	6.5	6.6	10 2 82	6.5	9 21 86	6.5	10 30 88	6.5
2668	119	*Sagittarii*	49.9	20 49	9	5.15	5.7	8 12 82	5.5	7 16 84	5.3	9 20 86	5.0
2669	120	"	50.3	21 16	6	3.65	3.5	8 12 82	3.5	9 5 82	3.6	7 10 88	3.65
2670	33	*Scuti*	50.4	6 0	7	5.25	5.4	8 12 82	5.1	9 30 86	5.5	9 14 87	5.15
2671	122	*Sagittarii*	50.7	25 2	3	6.8	6.7	8 12 82	6.8	9 29 86	6.8	9 6 88	6.8
2672	123	"	50.9	22 42	5	6.35	6.6	8 12 82	6.35	7 16 84	6.4	9 20 86	6.25
2673	124	"	52.0	12 45	4	7.0	7.0	9 17 82	7.0	9 24 86	6.8	9 16 87	7.0
2674	125	"	52.1	18 44	3	6.9	6.9	8 12 82	6.95	9 24 86	6.9	8 29 88	6.9
2675	126	"	52.4	13 1	3	5.75	5.6	9 17 82	5.75	9 24 86	5.75	10 30 88	5.8
2676	127	"	52.8	25 7	3	6.8	6.6	8 12 82	6.8	9 29 86	6.8	9 6 88	6.8
2677	128	"	54.1	22 52	6	6.8	6.8	8 12 82	6.6	7 16 84	6.7	9 20 86	7.0
2678	129	"	54.4	15 27	3	6.6	6.6	9 15 82	6.65	9 24 86	6.6	8 29 88	6.6
2679	130	"	54.7	30 3	6	2.75	3.1	7 6 82	2.7	7 7 82	2.7	9 5 82	3.0
2680	131	"	54.8	25 1	3	6.1	6.1	8 12 82	6.15	9 29 86	6.1	9 6 88	6.1
2681	9	*Aquilæ*	55.0	5 55	5	4.05	3.8	8 12 82	4.0	9 20 86	4.0	9 24 86	4.2
2682	10	"	55.7	10 54	5	6.9	6.8	9 15 82	7.1	9 14 87	6.8	10 12 87	6.8
2683	132	*Sagittarii*	55.7	19 25	2	6.4	6.4	8 12 82	6.4	9 24 86	6.4	.. .. ..	...
2684	133	"	55.8	19 17	3	6.7	6.8	8 12 82	6.6	9 24 86	6.8	9 15 87	6.7
2685	11	*Aquilæ*	56.3	3 53	5	5.7	5.7	8 12 82	5.85	9 21 86	5.7	9 30 86	5.7
2686	135	*Sagittarii*	56.7	23 5	5	7.05	6.9	8 12 82	7.1	7 16 84	6.9	9 20 86	7.2
2687	136	"	57.2	21 55	4	4.0	3.8	8 12 82	4.0	9 5 82	3.9	7 10 88	4.1
2688	137	"	57.9	29 16	4	7.0	7.0	9 5 82	7.0	9 16 87	7.1	9 17 87	7.0
2689	15	*Aquilæ*	58.4	4 13	8	5.85	5.6	8 12 82	5.55	9 21 86	6.0	9 30 86	5.85
2690	138	*Sagittarii*	58.5	15 51	4	6.1	5.9	9 15 82	6.0	9 24 86	6.1	8 29 88	6.2
2691	16	*Aquilæ*	58.8	1 42	3	6.95	6.8	10 2 82	7.0	9 21 86	6.85	9 14 87	6.95
2692	139	*Sagittarii*	59.1	27 51	5	3.6	3.6	7 6 82	3.5	7 7 82	3.7	9 5 82	3.8
2693	17	*Aquilæ*	18 59.2	9 27	4	7.25	6.9	9 15 82	7.4	9 14 87	7.2	10 22 87	7.1

No.	U. A. No.	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U. A.	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. m.	° ′									
2694	18	*Aquilæ*	18 59.3	− 9 49	4	7.1	6.8	9 15 82	7.1	9 14 87	7.1	9 26 88	7.1
2695	19	"	59.6	5 4	8	3.3	3.3	8 12 82	3.0	9 20 86	3.4	9 24 86	3.6
2696	140	*Sagittarii*	59.6	28 50	4	6.65	6.5	9 5 82	6.5	9 29 86	6.65	9 17 87	6.75
2697	141	"	59.7	16 25	4	6.25	6.0	9 15 82	6.25	9 24 86	6.3	9 15 87	6.15
2698	142	"	18 59.8	18 56	4	6.7	6.7	8 12 82	6.8	9 24 86	6.7	8 29 88	6.5
2699	21	*Aquilæ*	19 0.1	1 32	4	7.05	7.0	10 2 82	7.1	9 21 86	6.9	9 17 87	7.1
2700	143	*Sagittarii*	0.6	24 51	4	6.6	6.7	8 12 82	6.7	9 29 86	6.5	9 15 87	6.5
2701	23	*Aquilæ*	0.8	+ 0 27	2	6.8	6.7	10 2 82	6.8	9 21 86	6.8	.. .. ..	...
2702	144	*Sagittarii*	0.9	−19 29	3	5.85	5.8	8 12 82	5.8	9 24 86	5.8	8 29 88	6.0
2703	145	"	1.1	25 16	3	6.85	7.0	8 12 82	6.9	9 29 86	6.8	9 6 88	6.8
2704	147	"	2.3	21 13	4	3.0	3.1	8 12 82	2.9	9 5 82	3.0	9 6 88	2.9
2705	148	"	2.4	20 0	3	6.75	6.8	8 12 82	6.8	9 24 86	6.8	8 29 88	6.6
2706	149	"	2.5	30 12	5	6.7	6.7	9 5 82	6.7	9 29 86	6.7	9 17 87	6.7
2707	150	"	3.4	29 42	4	6.35	6.5	9 5 82	6.3	9 29 86	6.3	9 17 87	6.3
2708	25	*Aquilæ*	3.4	0 38	2	6.7	6.6	10 2 82	6.7	9 21 86	6.7	.. .. ..	...
2709	26	"	4.3	6 50	5	7.0	7.0	9 15 82	7.1	9 21 86	7.0	9 17 87	7.0
2710	151	*Sagittarii*	5.0	21 52	5	7.0	6.9	9 15 82	6.8	9 29 86	7.0	9 15 87	7.2
2711	152	"	5.5	26 7	3	6.2	6.3	8 12 82	6.15	9 29 86	6.1	9 6 88	6.3
2712	28	*Aquilæ*	5.9	8 9	4	5.8	5.9	9 15 82	5.9	9 21 86	5.7	9 30 86	5.7
2713	153	*Sagittarii*	6.3	12 29	3	5.95	5.8	9 17 82	6.0	9 29 86	5.9	9 26 88	5.9
2714	154	"	6.7	30 3	5	7.0	7.0	9 5 82	6.9	9 17 87	7.0	9 26 88	7.05
2715	29	*Aquilæ*	7.4	+ 2 5	3	5.55	5.7	10 19 86	5.55	10 22 86	5.55	9 26 88	5.5
2716	...	"	7.4	− 8 56	5	6.9	...	9 15 82	6.6	9 21 86	7.0	9 17 87	7.0
2717	155	*Sagittarii*	7.9	25 28	4	5.45	5.4	8 12 82	5.5	9 29 86	5.45	9 26 88	5.35
2718	157	"	7.9	24 23	3	6.6	6.7	8 12 82	6.55	9 29 86	6.7	9 15 87	6.6
2719	158	"	8.3	30 41	6	6.95	7.0	9 5 82	7.0	9 17 87	6.75	11 9 87	7.05
2720	31	*Aquilæ*	8.7	6 16	5	6.9	6.8	9 15 82	6.7	9 21 86	7.0	9 17 87	6.95
2721	160	*Sagittarii*	10.3	19 10	8	5.3	5.6	8 12 82	5.4	9 29 86	5.1	10 19 86	5.2
2722	...	"	10.5	16 11	4	6.8	6.9	9 15 82	6.9	9 17 87	6.8	9 30 88	6.75
2723	161	"	10.9	19 5	3	7.25	7.0	10 1 82	7.3	9 17 87	7.3	10 19 87	7.2
2724	...	"	11.2	18 55	3	7.45	7.2	9 17 87	7.5	10 12 87	7.5	10 17 89	7.4
2725	163	"	11.9	15 45	3	6.65	6.7	9 15 82	6.65	9 17 87	6.7	9 30 88	6.6
2726	...	*Aquilæ*	12.1	+ 0 12	3	7.1	7.1	10 2 82	7.2	10 1 86	7.0	9 26 88	7.05
2727	35	"	12.2	0 52	4	5.9	5.7	10 2 82	5.9	10 1 86	5.9	10 19 86	5.85
2728	36	"	12.5	0 7	4	6.95	6.8	10 2 82	6.85	10 1 86	7.0	9 17 87	7.0
2729	165	*Sagittarii*	13.2	−22 38	4	5.8	5.9	9 15 82	5.9	9 29 86	5.7	9 17 87	5.8
2730	170	"	13.7	29 50	4	6.95	7.0	9 15 82	6.8	9 29 86	7.0	9 17 87	7.0
2731	38	*Aquilæ*	13.9	5 39	4	5.55	5.6	9 15 82	5.6	9 21 86	5.5	9 30 86	5.5
2732	39	"	14.0	1 33	4	6.75	6.8	10 2 82	6.85	10 1 86	6.75	9 26 88	6.6
2733	40	"	14.2	1 7	3	5.8	5.9	10 2 82	5.8	10 1 86	5.8	9 26 88	5.8
2734	171	*Sagittarii*	14.2	29 45	4	6.95	7.0	9 15 82	6.8	9 29 86	7.0	9 17 87	7.1
2735	173	"	14.3	19 28	3	6.45	6.6	10 1 82	6.4	9 17 87	6.4	9 6 88	6.55
2736	174	"	14.4	18 5	5	4.25	4.2	8 12 82	4.4	9 29 86	4.45	9 26 88	4.2
2737	175	"	14.6	18 32	4	6.5	6.5	10 1 82	6.4	9 17 87	6.55	10 12 87	6.55
2738	176	"	14.6	16 11	4	4.8	4.9	8 12 82	4.9	9 29 86	4.8	9 26 88	4.65
2739	41	*Aquilæ*	15.6	8 26	4	6.75	6.9	9 15 82	6.6	9 21 86	6.8	9 17 87	6.75
2740	42	"	15.9	0 29	3	6.35	6.3	10 2 82	6.3	10 1 86	6.35	9 26 88	6.35
2741	43	"	16.3	7 38	4	6.7	6.7	9 15 82	6.6	9 21 86	6.8	9 17 87	6.75
2742	179	*Sagittarii*	16.7	28 6	3	6.0	5.9	9 15 82	6.0	9 29 86	6.05	9 6 88	6.0
2743	180	"	17.2	29 33	3	6.2	6.1	9 15 82	6.2	9 29 86	6.3	9 6 88	6.1
2744	181	"	17.7	24 45	5	5.25	5.4	9 15 82	5.2	9 29 86	5.2	10 19 86	5.25
2745	182	"	17.9	24 12	8	5.95	5.6	9 15 82	5.6	9 29 86	5.9	10 19 86	6.0
2746	183	"	19 18.2	22 42	3	6.95	7.0	9 15 82	6.9	9 29 86	7.0	9 6 88	7.0

No.	U. A. No	Name.	1875. R. A.	1875. Decl.	No Obs.	Mag. Mean Obs'd.	Mag. U. A.	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. m	° ′									
2747	184	*Sagittarii*	19 18.3	−14 9	7	6.25	5.9	10 1 82	6.3	9 29 86	6.25	10 19 86	6.25
2748	45	*Aquilæ*	18.4	5 8	4	6.75	6.8	9 15 82	6.6	9 21 86	6.9	9 17 87	6.75
2749	185	*Sagittarii*	18.9	22 1	3	6.05	5.9	9 15 82	6.1	9 29 86	6.0	9 6 88	6.05
2750	186	"	19.0	29 59	3	5.6	5.8	9 15 82	5.6	9 29 86	5.5	9 6 88	5.75
2751	187	"	19.1	15 18	4	5.85	5.9	10 1 82	5.9	9 29 86	5.8	9 30 88	5.7
2752	46	*Aquilæ*	19.2	+ 2 52	3	3.35	3.4	9 24 86	3.25	9 17 87	3.3	10 25 88	3.45
2753	188	*Sagittarii*	19.3	−14 48	4	6.8	6.8	10 1 82	6.7	9 29 86	6.8	9 30 88	6.9
2754	47	*Aquilæ*	20.1	+ 0 6	6	5.2	5.4	10 2 82	5.2	9 24 86	5.0	10 19 86	5.2
2755	...	*Sagittarii*	20.4	−18 36	2	7.3	7.3	10 1 82	7.3	9 17 87	7.3	.. .. ..	...
2756	190	"	20.8	18 37	4	7.0	7.0	10 1 82	6.9	9 17 87	7.0	9 26 88	7.05
2757	191	"	21.5	15 21	4	6.85	6.9	10 1 82	6.7	9 29 86	6.8	9 30 88	7.0
2758	193	"	22.1	27 14	3	5.8	5.8	9 15 82	5.8	9 29 86	5.7	9 6 88	5.85
2759	195	"	22.6	12 54	3	6.95	6.9	10 1 82	6.9	9 29 86	7.0	9 26 88	7.0
2760	50	*Aquilæ*	22.6	19 23	..	var.	7.0	9 15 82	6.7	9 21 86	6.8	.. .. ..	...
2761	52	"	22.9	0 1	4	6.75	6.8	10 2 82	6.65	10 1 86	6.8	9 17 87	6.8
2762	197	*Sagittarii*	23.5	21 34	3	6.35	6.2	9 15 82	6.35	9 29 86	6.4	9 6 88	6.3
2763	54	*Aquilæ*	24.1	3 3	4	5.65	5.6	10 2 82	5.5	10 1 86	5.7	9 17 87	5.8
2764	56	"	24.8	2 22	3	7.0	7.0	10 2 82	7.0	10 1 86	6.95	9 26 88	7.05
2765	202	*Sagittarii*	27.0	24 8	4	6.8	6.9	9 15 82	6.7	9 29 86	6.9	9 15 87	6.7
2766	203	"	28.2	21 3	4	6.9	7.0	9 15 82	6.8	9 29 86	7.0	9 15 87	6.8
2767	59	*Aquilæ*	28.2	10 50	4	5.75	5.8	10 1 82	5.65	9 21 86	5.9	9 17 87	5.8
2768	204	*Sagittarii*	28.4	24 59	4	6.0	var.	9 15 82	5.9	9 29 86	6.0	9 15 87	6.0
2769	206	"	28.6	12 32	3	6.65	6.7	10 1 82	6.7	9 29 86	6.6	9 26 88	6.6
2770	60	*Aquilæ*	28.8	7 44	3	6.65	6.7	10 1 82	6.65	9 21 86	6.65	9 26 88	6.6
2771	207	*Sagittarii*	29.1	25 9	7	4.65	4.7	9 15 82	4.95	9 29 86	4.65	10 3 86	4.6
2772	208	"	29.2	19 8	4	6.25	6.3	10 1 82	6.4	9 29 86	6.2	9 15 87	6.35
2773	209	"	29.8	18 30	8	6.05	5.8	10 1 82	6.2	9 29 86	6.1	10 19 86	6.0
2774	211	"	30.0	13 27	3	6.95	7.0	10 1 82	7.0	9 29 86	7.0	9 26 88	6.9
2775	...	"	30.1	14 43	4	7.2	7.1	10 1 82	7.2	9 29 86	7.2	11 14 86	7.25
2776	63	*Aquilæ*	30.2	7 18	3	5.4	5.4	10 1 82	5.4	9 21 86	5.4	9 26 88	5.4
2777	64	"	30.3	1 34	6	4.6	4.6	10 2 82	4.6	9 24 86	4.3	10 19 86	4.8
2778	212	*Sagittarii*	30.5	14 34	6	5.65	5.8	10 1 82	5.9	9 29 86	5.5	10 19 86	5.7
2779	213	"	30.8	14 14	3	6.95	7.0	10 1 82	6.9	9 29 86	7.0	9 26 88	7.0
2780	214	"	31.1	28 53	3	6.6	6.4	9 15 82	6.6	9 29 86	6.6	9 6 88	6.6
2781	65	*Aquilæ*	31.2	4 55	8	5.75	5.8	10 1 82	6.0	9 21 86	6.0	10 1 86	5.5
2782	66	"	31.9	10 26	2	6.7	6.8	10 1 82	6.7	9 21 86	6.7	.. .. ..	...
2783	...	*Sagittarii*	32.0	17 12	3	6.85	6.9	10 1 82	6.9	9 29 86	6.8	9 15 87	6.8
2784	217	"	32.3	23 43	5	6.7	6.7	9 15 82	6.9	9 29 86	6.8	9 15 87	6.7
2785	218	"	32.6	23 43	5	6.2	6.2	9 15 82	6.35	9 29 86	6.0	10 19 86	6.1
2786	219	"	32.8	15 27	4	6.8	6.8	10 1 82	6.9	9 29 86	6.8	9 15 87	6.65
2787	220	"	33.0	14 20	3	6.95	7.0	10 1 82	6.9	9 29 86	7.0	6 26 88	7.0
2788	221	"	33.6	16 35	4	5.55	5.5	10 1 82	5.4	9 29 86	5.6	9 15 87	5.55
2789	69	*Aquilæ*	33.7	5 44	3	6.9	6.9	10 1 82	6.9	9 21 86	6.85	9 27 88	6.9
2790	70	"	34.3	0 55	4	6.2	5.9	10 2 82	6.2	10 1 86	6.2	11 22 86	6.2
2791	223	*Sagittarii*	34.8	25 9	4	6.85	6.8	9 15 82	6.7	9 29 86	6.9	9 15 87	7.0
2792	71	*Aquilæ*	35.2	9 29	2	6.7	6.7	10 1 82	6.7	9 21 86	6.7	.. .. ..	...
2793	225	*Sagittarii*	35.4	16 25	4	5.35	5.4	10 1 82	5.3	9 29 86	5.3	9 15 87	5.3
2794	72	*Aquilæ*	36.3	8 36	3	6.7	6.7	10 1 82	6.7	9 21 86	6.7	9 26 88	6.7
2795	226	*Sagittarii*	36.4	15 46	5	5.75	5.8	10 1 82	5.7	9 29 86	5.8	9 15 87	5.85
2796	229	"	39.1	20 4	3	5.35	5.2	9 15 82	5.3	9 29 86	5.4	9 6 88	5.3
2797	76	*Aquilæ*	39.2	1 0	2	7.0	7.0	10 2 82	7.0	9 17 87	7.0	.. .. ..	...
2798	77	"	39.3	3 11	4	6.55	6.5	10 2 82	6.7	10 1 86	6.55	9 17 87	6.5
2799	230	*Sagittarii*	19 40.0	28 48	4	6.8	7.0	9 15 82	6.8	9 29 86	6.8	9 17 87	6.8

No.	U. A. No.	Name	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U. A.	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. m.	° ′									
2800	231	*Sagittarii*	19 40.6	−21 16	4	6.85	7.0	9 15 82	6.95	9 29 86	6.9	9 26 88	6.8
2801	232	"	41.0	14 1	3	6.3	6.3	10 1 82	6.3	9 24 86	6.2	9 26 88	6.4
2802	233	"	41.4	29 6	4	6.25	6.2	9 15 82	6.4	9 17 87	6.15	10 13 87	6.2
2803	234	"	41.9	12 38	4	7.05	7.0	10 1 82	7.1	9 17 87	7.1	9 26 88	7.0
2804	80	*Aquilæ*	42.2	11 11	3	6.35	6.4	10 1 82	6.3	9 24 86	6.4	9 26 88	6.35
2805	81	"	43.3	10 19	3	7.05	7.0	10 1 82	7.1	9 24 86	7.1	9 26 88	7.0
2806	82	"	43.9	11 5	4	5.7	5.8	10 1 82	5.6	9 24 86	5.6	9 26 88	5.85
2807	83	"	44.2	5 1	3	6.65	6.8	10 2 82	6.6	10 1 86	6.6	9 27 88	6.75
2808	239	*Sagittarii*	44.6	15 6	5	7.05	7.0	10 1 82	7.05	9 24 86	7.1	9 17 87	7.1
2809	85	*Aquilæ*	44.7	2 47	3	6.65	6.5	10 2 82	6.6	10 1 86	6.55	9 27 88	6.75
2810	238	*Sagittarii*	44.9	19 22	6	6.3	6.1	9 15 82	6.1	9 29 86	6.45	10 19 86	6.25
2811	...	*Aquilæ*	45.2	11 13	3	7.05	7.1	10 1 82	7.1	9 24 86	7.0	9 26 88	7.05
2812	89	"	46.1	+ 0 41	3	4.7	var.	9 24 86	4.7	9 17 87	4.65	9 26 88	4.7
2813	240	*Sagittarii*	46.1	−14 55	3	6.8	6.9	10 1 82	6.8	9 24 86	6.7	9 26 88	6.85
2814	242	"	46.8	24 15	3	6.3	6.4	9 15 82	6.35	9 29 86	6.3	11 14 86	6.3
2815	90	*Aquilæ*	46.8	3 26	2	5.9	5.9	10 2 82	5.9	10 1 86	5.9	.. .. ..	...
2816	92	"	47.4	8 54	3	6.25	6.2	10 1 82	6.1	9 21 86	6.35	9 26 88	6.35
2817	93	"	47.9	8 33	3	5.6	5.7	10 1 82	5.6	9 21 86	5.65	9 26 88	5.6
2818	247	*Sagittarii*	48.1	19 37	4	6.8	6.9	9 15 82	6.7	9 29 86	6.8	9 26 88	6.9
2819	248	"	48.2	26 38	8	4.95	5.1	9 15 82	4.95	9 29 86	4.95	10 3 86	5.0
2820	95	*Aquilæ*	48.3	0 3	4	5.8	5.9	10 2 82	5.7	9 17 87	5.9	10 12 87	5.9
2821	97	"	48.6	7 4	4	6.6	6.7	10 1 82	6.5	9 29 86	6.7	9 17 87	6.7
2822	250	*Sagittarii*	49.3	27 30	9	4.9	4.6	9 15 82	4.7	9 29 86	5.1	10 3 86	4.9
2823	99	*Aquilæ*	50.7	7 2	3	6.75	6.8	10 1 82	6.7	9 29 86	6.8	9 27 88	6.8
2824	253	*Sagittarii*	50.9	15 49	4	5.2	5.3	10 1 82	5.1	9 24 86	5.3	11 14 86	5.3
2825	255	"	51.3	26 32	8	5.2	5.3	9 15 82	5.3	9 29 86	5.2	10 3 86	5.15
2826	261	"	52.2	22 33	4	6.65	6.7	9 15 82	6.7	9 29 86	6.5	11 14 86	6.7
2827	100	*Aquilæ*	53.0	10 17	3	6.15	6.1	10 1 82	6.1	9 24 86	6.1	10 3 88	6.2
2828	102	"	53.2	2 18	5	6.95	7.0	10 2 82	7.1	10 1 86	6.85	9 17 87	6.8
2829	264	*Sagittarii*	54.0	23 5	4	6.05	5.9	9 15 82	6.1	9 29 86	6.1	11 14 86	6.05
2830	265	"	55.0	28 3	10	4.8	4.7	9 15 82	4.4	9 29 86	4.8	10 3 86	4.8
2831	266	"	55.0	13 59	3	5.9	5.7	10 1 82	5.9	9 24 86	5.9	9 26 88	5.85
2832	104	*Aquilæ*	55.6	5 20	5	6.7	6.7	10 1 82	6.7	9 26 86	6.7	10 1 86	6.95
2833	269	*Sagittarii*	56.3	22 57	4	6.45	6.5	9 15 82	6.35	9 29 86	6.5	11 14 86	6.5
2834	105	*Aquilæ*	57.3	7 49	2	6.8	6.9	10 1 82	6.8	9 29 86	6.8	.. .. ..	...
2835	273	*Sagittarii*	57.6	21 40	7	7.1	7.0	9 15 82	7.2	9 26 86	6.9	10 19 86	7.1
2836	106	*Aquilæ*	58.0	1 3	4	6.2	6.1	10 2 82	6.3	9 29 86	6.1	9 17 87	6.2
2837	108	"	58.2	11 57	5	6.6	6.6	10 1 82	6.5	9 24 86	6.7	9 17 87	6.5
2838	274	*Sagittarii*	58.5	13 1	4	6.7	6.7	10 1 82	6.65	9 24 86	6.75	9 26 88	6.7
2839	...	*Aquilæ*	59.0	4 40	3	7.4	...	9 16 87	7.4	9 27 88	7.35	10 3 88	7.5
2840	110	"	19 59.6	4 26	4	6.75	6.5	10 1 82	6.7	9 29 86	6.8	11 9 87	6.75
2841	...	"	20 0.0	4 46	4	6.9	...	9 16 87	6.9	10 17 87	6.9	9 27 88	6.9
2842	113	"	1.6	1 2	3	6.6	6.7	10 2 82	6.5	9 29 86	6.6	9 27 88	6.65
2843	...	"	1.4	7 7	3	7.0	...	10 1 82	7.0	9 29 86	6.95	9 27 89	7.0
2844	1	*Capricorni*	1.7	10 25	3	6.4	6.4	10 3 82	6.35	10 2 86	6.4	9 27 88	6.4
2845	116	*Aquilæ*	4.4	6 27	2	6.8	6.8	10 1 82	6.8	9 29 86	6.8	.. .. ..	...
2846	2	*Capricorni*	4.4	9 13	5	6.6	6.5	10 3 82	6.75	10 2 86	6.6	9 17 87	6.6
2847	117	*Aquilæ*	4.9	1 11	2	2.9	3.0	9 24 86	2.9	9 16 87	2.9	.. .. ..	...
2848	118	"	4.9	0 30	5	6.9	7.0	10 2 82	6.9	9 29 86	6.95	9 16 87	6.9
2849	3	*Capricorni*	5.0	12 46	5	6.75	6.8	10 2 82	6.6	9 24 86	6.7	9 26 88	6.85
2850	4	"	5.5	12 59	7	6.25	6.3	10 2 82	6.2	9 24 86	6.5	12 25 86	6.15
2851	119	*Aquilæ*	6.0	6 44	2	7.0	7.0	10 1 82	7.0	9 29 86	7.0	.. .. ..	...
2852	120	"	20 6.2	+ 0 30	3	6.5	6.6	10 2 82	6.5	9 29 86	6.5	9 27 88	6.55

No.	U. A. No.	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U.A.	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. m.	° ′									
2853	121	*Aquilæ*	20 6.3	− 3 22	4	6.95	7.0	10 2 82	6.95	9 29 86	6.8	9 16 87	7.05
2854	122	"	6.7	0 42	5	6.95	7.0	10 2 82	6.8	9 29 86	6.95	9 16 87	6.95
2855	123	"	6.8	1 23	3	5.9	5.8	10 2 82	5.9	9 29 86	5.95	9 27 88	5.8
2856	5	*Capricorni*	7.5	27 24	9	6.05	6.2	9 17 82	5.85	10 1 86	6.0	10 19 86	6.0
2857	124	*Aquilæ*	7.7	6 25	2	7.0	6.8	10 1 82	7.0	9 29 86	7.0	.. .. ..	...
2858	282	*Sagittarii*	8.1	30 23	4	6.55	6.5	9 17 82	6.6	10 1 86	6.5	10 19 86	6.5
2859	125	*Aquilæ*	8.6	3 53	3	6.8	6.8	10 2 82	6.85	9 29 86	6.75	9 27 88	6.75
2860	126	"	8.8	7 55	2	7.0	7.0	10 1 82	7.0	9 29 86	7.0	.. .. ..	...
2861	127	"	8.8	5 55	2	6.95	6.9	10 1 82	6.95	9 29 86	6.95	.. .. ..	...
2862	6	*Capricorni*	9.5	12 43	5	6.7	6.8	10 2 82	6.65	9 24 86	6.7	9 26 88	6.85
2863	...	*Aquilæ*	10.3	3 52	4	6.9	...	10 2 82	7.0	9 29 86	6.8	9 16 87	7.0
2864	7	*Capricorni*	10.7	22 12	5	6.15	6.1	10 3 82	6.1	10 1 86	6.25	9 17 87	6.3
2865	8	"	10.7	12 54	4	4.55	4.5	10 2 82	4.4	9 24 86	4.55	10 15 87	4.7
2866	9	"	11.1	12 56	3	3.7	3.6	10 2 82	3.7	9 24 86	3.6	9 26 88	3.75
2867	10	"	12.1	21 20	3	6.85	6.9	10 3 82	6.8	10 1 86	6.85	9 27 88	6.9
2868	11	"	12.2	19 30	10	5.8	5.6	10 2 82	5.6	9 21 86	5.9	10 1 86	5.5
2869	130	*Aquilæ*	12.2	+ 0 15	3	6.95	6.9	10 2 82	6.9	9 29 86	6.95	9 27 88	6.95
2870	289	*Sagittarii*	12.8	−29 35	3	6.3	6.2	9 17 82	6.3	10 1 86	6.3	10 19 86	6.25
2871	131	*Aquilæ*	13.3	1 28	4	6.4	6.4	10 2 82	6.5	9 29 86	6.4	9 27 88	6.35
2872	12	*Capricorni*	13.7	13 9	6	5.15	5.2	10 2 82	5.3	9 24 86	5.15	9 17 87	5.2
2873	13	"	13.8	15 11	6	6.9	6.7	10 2 82	7.1	9 24 86	6.85	12 25 86	7.05
2874	14	"	14.0	15 11	3	3.15	3.2	10 2 82	3.2	9 24 86	3.1	9 26 88	3.1
2875	15	"	16.2	10 3	3	6.75	6.9	10 3 82	6.75	10 2 86	6.8	9 27 88	6.75
2876	16	"	16.5	14 39	2	6.8	6.8	10 2 82	6.8	9 24 86	6.8	.. .. ..	...
2877	133	*Aquilæ*	17.0	5 40	3	6.85	7.0	10 2 82	6.8	9 29 86	7.0	9 16 87	6.8
2878	...	*Capricorni*	17.3	14 31	3	7.1	7.1	10 2 82	7.1	9 24 86	7.0	10 12 87	7.2
2879	296	*Sagittarii*	17.8	29 4	4	6.25	6.1	9 17 82	6.3	9 14 84	6.2	10 1 86	6.3
2880	135	*Aquilæ*	18.3	+ 0 40	6	6.25	6.4	10 2 82	6.5	9 29 86	6.1	9 16 87	6.15
2881	136	"	18.3	0 58	3	6.9	6.7	10 2 82	6.9	9 29 86	6.95	9 27 88	6.9
2882	137	"	19.2	3 12	4	6.45	6.6	10 2 82	6.4	9 14 84	6.5	10 1 86	6.45
2883	17	*Capricorni*	20.2	−18 37	6	5.55	5.5	10 2 82	5.6	9 21 86	5.5	9 24 86	5.6
2884	18	"	20.5	26 1	3	6.65	6.6	10 3 82	6.6	10 1 86	6.7	9 27 88	6.7
2885	138	*Aquilæ*	21.0	2 31	4	6.6	6.5	10 2 82	6.6	9 14 84	6.7	10 1 86	6.6
2886	...	*Capricorni*	21.1	24 34	4	7.1	7.2	10 3 82	7.2	10 1 86	7.0	10 13 87	7.0
2887	19	"	21.3	24 24	3	7.0	6.9	10 3 82	7.0	10 1 86	7.0	9 27 88	7.0
2888	20	"	21.7	16 9	5	6.9	6.8	10 3 82	6.9	10 2 86	6.7	9 17 87	6.65
2889	22	"	21.7	18 14	6	5.25	5.3	10 2 82	5.2	9 21 86	5.4	9 24 86	5.3
2890	21	"	21.7	21 19	3	6.9	7.0	10 3 82	6.9	10 1 86	6.95	9 27 88	6.9
2891	...	"	21.9	12 8	4	7.2	7.1	10 3 82	7.0	10 2 86	7.15	9 27 88	7.25
2892	139	*Aquilæ*	21.9	3 46	5	6.15	6.3	10 2 82	6.3	9 14 84	6.1	10 1 86	6.1
2893	23	*Capricorni*	21.9	18 17	4	7.0	7.0	10 2 82	7.1	10 2 86	7.1	9 17 87	6.95
2894	24	"	22.2	22 48	4	6.6	6.5	10 3 82	6.6	10 1 86	6.7	10 13 87	6.55
2895	140	*Aquilæ*	22.3	2 9	4	7.0	6.9	10 2 82	7.0	9 14 84	6.9	10 1 86	7.1
2896	25	*Capricorni*	22.7	19 0	5	5.85	5.9	10 2 82	5.9	9 21 86	5.8	9 24 86	5.9
2897	141	*Aquilæ*	23.1	3 18	4	5.15	5.3	9 14 84	5.2	10 1 86	5.05	9 16 87	5.05
2898	3	*Microscopium*	23.3	29 32	5	6.55	6.5	9 17 82	6.5	9 14 84	6.4	10 1 86	6.8
2899	26	*Capricorni*	23.6	12 39	4	7.5	var.	10 19 86	7.5	10 22 86	7.5	10 18 89	7.4
2900	27	"	24.1	15 28	3	6.45	6.4	10 3 82	6.5	10 2 86	6.45	10 13 87	6.45
2901	5	*Microscopium*	25.1	29 1	5	7.0	7.0	9 14 82	7.1	9 17 82	7.1	10 1 86	6.8
2902	28	*Capricorni*	25.4	25 22	3	6.4	6.4	10 3 82	6.4	10 1 86	6.35	9 27 88	6.5
2903	29	"	25.6	10 17	4	6.0	6.0	10 3 82	5.85	10 2 86	6.0	9 17 87	6.1
2904	7	*Microscopium*	26.2	29 43	4	6.95	7.0	9 17 82	6.85	9 14 84	7.0	10 1 86	6.85
2905	30	*Capricorni*	20 27.1	12 46	5	6.95	7.0	10 3 82	7.0	10 2 86	6.9	11 18 86	7.0

No.	U. A. No.	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U.A.	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h m.	° ′									
2906	10	*Microscopium*	20 27.1	−30 54	3	6.5	6.4	9 14 84	6.4	10 1 86	6.55	9 16 87	6.5
2907	31	*Capricorni*	27.2	14 9	4	6.4	6.3	10 3 82	6.5	10 2 86	6.3	9 17 87	6.45
2908	143	*Aquilæ*	27.9	6 16	5	6.95	7.0	10 2 86	6.8	9 16 87	7.05	11 2 87	6.9
2909	32	*Capricorni*	28.5	16 57	9	6.3	6.5	10 3 82	6.2	10 2 86	6.5	10 19 86	6.1
2910	33	"	29.4	12 49	4	7.0	6.8	10 3 82	7.0	10 2 86	7.0	11 27 86	7.0
2911	144	*Aquilæ*	30.2	2 59	5	5.4	5.1	9 14 84	5.5	10 1 86	5.4	10 2 86	5.2
2912	34	*Capricorni*	30.3	15 35	2	7.0	7.0	10 3 82	7.0	11 27 86	7.0	.. .. ..	...
2913	35	"	30.4	25 33	5	6.6	6.6	10 3 82	6.6	10 1 86	6.5	11 18 86	6.8
2914	36	"	30.7	24 40	3	6.8	6.8	10 3 82	6.8	10 1 86	6.7	9 27 88	6.85
2915	37	"	30.7	17 33	4	7.05	7.0	10 3 82	7.0	10 2 86	7.1	9 17 87	7.05
2916	145	*Aquilæ*	30.9	0 20	6	6.4	6.4	9 14 84	6.3	10 2 86	6.3	9 27 88	6.4
2917	38	*Capricorni*	31.1	11 28	3	7.0	7.0	10 3 82	7.0	10 2 86	7.0	11 27 86	7.0
2918	...	*Aquilæ*	31.6	4 49	4	7.3	7.1	9 14 84	7.1	9 16 87	7.4	11 9 87	7.4
2919	146	"	31.9	1 32	3	4.55	4.5	9 14 84	4.5	10 2 86	4.5	10 25 88	4.6
2920	39	*Capricorni*	32.3	15 24	5	5.6	5.6	10 2 82	5.7	9 21 86	5.55	9 17 87	5.6
2921	1	*Aquarii*	32.5	5 22	3	6.9	6.8	10 4 82	6.9	10 2 86	6.8	9 27 88	6.95
2922	2	"	32.7	2 51	3	6.55	6.5	10 4 82	6.5	10 2 86	6.6	9 27 88	6.6
2923	40	*Capricorni*	32.8	24 14	3	6.7	6.5	10 3 82	6.7	10 1 86	6.65	9 27 88	6.7
2924	41	"	32.9	18 35	5	5.8	5.7	10 2 82	5.6	10 2 86	5.75	9 17 87	5.9
2925	3	*Aquarii*	33.0	+ 0 3	5	5.55	5.6	9 14 84	5.7	10 1 86	5.6	10 2 86	5.6
2926	42	*Capricorni*	33.1	−27 5	4	6.65	6.7	9 16 82	6.7	10 1 86	6.65	9 27 88	6.6
2927	16	*Microscopium*	33.3	28 59	3	6.9	6.9	9 14 84	6.9	10 1 86	6.9	9 27 88	6.95
2928	43	*Capricorni*	33.5	16 34	4	6.15	6.2	10 3 82	6.2	9 21 86	6.1	10 2 86	6.1
2929	4	*Aquarii*	33.7	3 6	5	7.0	7.0	10 4 82	6.9	9 21 84	7.0	10 2 86	7.15
2930	...	"	34.7	12 5	5	6.85	7.1	10 4 82	6.8	10 2 86	6.9	11 27 86	6.9
2931	44	*Capricorni*	33.9	26 27	4	6.65	6.6	9 16 82	6.7	10 1 86	6.65	9 27 88	6.6
2932	5	*Aquarii*	34.9	11 23	5	7.6	7.0	10 4 82	6.95	10 2 86	7.3	9 18 87	8.0
2933	6	"	36.0	2 46	5	7.3	7.0	10 4 82	7.0	10 2 86	7.15	9 18 87	7.3
2934	20	*Microscopium*	35.7	29 52	3	6.95	6.9	9 14 84	7.0	10 1 86	6.9	9 27 88	6.95
2935	45	*Capricorni*	37.7	27 42	3	6.7	6.7	9 16 82	6.7	10 1 86	6.7	9 27 88	6.7
2936	22	*Microscopium*	37.7	30 56	3	6.75	6.9	9 14 84	6.7	10 1 86	6.8	9 27 88	6.75
2937	46	*Capricorni*	38.2	16 15	4	6.9	7.0	10 3 82	7.0	10 2 86	6.85	11 18 86	6.8
2938	47	"	38.7	25 43	10	4.15	4.3	9 16 82	4.2	10 1 86	4.1	10 2 86	4.7
2939	48	"	38.9	21 58	2	6.0	6.0	10 3 82	6.0	10 1 86	6.0	.. .. ..	...
2940	49	"	39.0	27 19	3	6.85	7.0	9 16 82	6.9	10 1 86	6.8	9 27 88	6.85
2941	7	*Aquarii*	40.6	2 57	2	6.8	6.7	10 4 82	6.8	10 2 86	6.8	.. .. ..	...
2942	8	"	40.9	9 57	4	3.9	3.8	10 2 82	4.0	9 24 86	4.0	9 28 88	3.7
2943	9	"	41.1	5 29	4	4.8	4.8	9 14 84	4.7	10 2 86	4.8	9 27 88	4.85
2944	50	*Capricorni*	41.1	19 43	3	6.8	6.9	10 3 82	6.8	10 2 86	6.8	9 27 88	6.8
2945	51	"	41.2	16 59	4	7.0	7.0	10 3 82	6.9	10 2 86	6.95	9 28 88	7.1
2946	...	"	41.3	18 40	3	6.9	6.9	10 3 82	6.85	10 2 86	6.95	9 27 88	6.95
2947	52	"	41.9	26 14	8	6.0	6.1	9 16 82	5.9	10 1 86	6.2	10 19 86	5.9
2948	53	"	42.3	18 30	5	6.6	6.7	10 3 82	6.5	10 2 86	6.65	9 17 87	6.6
2949	54	"	43.1	25 27	2	6.9	6.9	9 16 82	6.9	10 1 86	6.9	.. .. ..	...
2950	11	*Aquarii*	43.8	13 0	4	6.3	6.2	10 4 82	6.3	10 2 86	6.3	10 20 86	6.1
2951	55	*Capricorni*	44.1	27 43	2	6.9	6.8	9 16 82	6.9	10 1 86	6.9	.. .. ..	...
2952	30	*Microscopium*	44.1	28 28	5	6.8	6.8	9 14 84	6.8	10 1 86	6.8	11 26 86	6.8
2953	31	"	44.1	29 54	3	6.95	6.9	9 14 84	7.0	10 1 86	6.95	9 27 88	6.95
2954	56	*Capricorni*	44.4	27 23	7	4.4	4.1	9 16 82	4.5	10 1 86	4.4	10 19 86	4.3
2955	12	*Aquarii*	44.8	6 6	4	6.1	6.2	10 4 82	6.1	10 2 86	6.0	11 24 86	6.05
2956	57	*Capricorni*	45.1	20 7	3	6.85	6.9	10 3 82	6.85	10 2 86	6.8	9 27 88	6.95
2957	14	*Aquarii*	45.2	11 54	3	6.85	7.0	10 4 82	6.8	10 2 86	6.9	9 27 88	6.8
2958	13	"	20 45.5	5 59	3	5.65	5.8	10 4 82	5.7	10 2 86	5.65	9 27 88	5.65

No.	U. A. No.	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U. A.	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. *m.*	° ′									
2959	58	*Capricorni*	20 45.7	−24 15	5	6.55	6.6	9 16 82	6.5	10 1 86	6.65	9 17 87	6.5
2960	34	*Microscopium*	45.8	31 11	3	6.7	6.7	9 14 84	6.6	10 1 86	6.7	9 28 88	6.85
2961	16	*Aquarii*	45.9	9 27	4	4.9	5.0	10 2 82	5.0	9 24 86	4.9	9 27 88	4.85
2962	15	"	46.3	12 3	4	6.65	6.8	10 4 82	6.6	10 2 86	6.6	9 27 88	6.8
2963	59	*Capricorni*	46.4	19 35	3	6.9	6.9	10 3 82	6.85	10 2 86	6.9	9 27 88	6.95
2964	35	*Microscopium*	46.6	28 24	5	6.7	6.7	9 14 84	6.7	10 1 86	6.75	11 26 86	6.65
2965	17	*Aquarii*	47.3	11 24	6	7.0	7.0	10 4 82	7.1	10 2 86	6.9	9 18 87	7.05
2966	18	"	47.3	7 22	4	6.65	6.7	10 4 82	6.6	10 2 86	6.8	9 18 87	6.6
2967	19	"	47.5	5 1	3	6.85	6.9	10 4 82	6.9	10 2 86	6.8	11 24 86	6.85
2968	60	*Capricorni*	47.7	19 16	3	6.65	6.8	10 3 82	6.65	10 2 86	6.65	9 27 88	6.6
2969	61	"	47.7	18 24	8	6.3	6.1	10 3 82	6.2	10 2 86	6.4	10 19 86	6.45
2970	20	*Aquarii*	48.1	9 21	6	7.0	6.9	10 4 82	7.1	10 2 86	7.0	9 18 87	7.05
2971	21	"	48.7	1 51	4	6.45	6.5	10 4 82	6.4	10 2 86	6.4	9 28 88	6.55
2972	62	*Capricorni*	48.8	17 35	2	7.0	7.0	10 3 82	7.0	10 2 86	7.0	.. .. ..	...
2973	...	"	49.1	17 43	3	7.3	7.2	10 3 82	7.3	10 2 86	7.2	9 27 88	7.35
2974	63	"	49.4	26 46	6	6.0	6.1	9 16 82	5.9	10 1 86	6.0	11 18 86	6.1
2975	23	*Aquarii*	49.8	4 2	3	6.55	6.5	10 4 82	6.6	10 2 86	6.5	9 28 88	6.55
2976	...	"	50.2	4 9	3	7.4	7.3	10 4 82	7.3	12 17 86	7.45	9 28 88	7.4
2977	24	"	50.2	10 11	4	5.95	5.9	10 4 82	5.9	10 2 86	6.0	10 13 87	5.85
2978	64	*Capricorni*	50.7	16 31	7	6.1	5.9	10 3 82	6.1	10 2 86	5.75	10 19 86	6.15
2979	26	*Aquarii*	50.8	0 1	2	6.2	6.2	10 4 82	6.2	10 2 86	6.2	.. .. ..	...
2980	27	"	51.8	14 58	5	6.1	6.1	10 4 82	6.3	10 2 86	6.1	11 24 86	6.05
2981	28	"	52.2	4 20	3	7.0	7.0	10 4 82	7.0	10 2 86	7.0	11 24 86	7.05
2982	65	*Capricorni*	52.5	19 31	3	6.35	6.3	10 3 82	6.4	10 2 86	6.3	9 27 88	6.3
2983	29	*Aquarii*	53.1	13 32	4	6.8	6.8	10 4 82	6.8	10 2 86	6.8	9 28 88	6.8
2984	38	*Microscopium*	53.5	30 13	2	6.8	7.0	9 14 84	6.8	10 1 86	6.8	.. .. ..	...
2985	66	*Capricorni*	53.8	18 1	3	6.55	6.4	10 3 82	6.5	10 2 86	6.6	9 27 88	6.6
2986	30	*Aquarii*	54.0	5 58	5	6.35	6.4	10 4 82	6.5	10 2 86	6.2	11 24 86	6.35
2987	31	"	54.0	5 13	4	6.35	6.2	10 4 82	6.3	10 2 86	6.4	11 24 86	6.45
2988	32	"	54.3	14 1	6	6.8	6.8	10 4 82	6.6	10 2 86	6.8	9 18 87	6.85
2989	67	*Capricorni*	54.3	27 22	6	6.25	6.2	9 16 82	6.1	10 1 86	6.3	11 18 86	6.5
2990	33	*Aquarii*	55.2	12 11	4	7.1	7.0	10 4 82	7.1	10 2 86	7.05	9 18 87	7.1
2991	45	*Microscopium*	55.4	29 36	3	6.95	6.9	9 14 84	7.0	10 1 86	6.9	9 28 88	6.95
2992	46	"	55.7	28 13	4	6.6	6.6	9 14 84	6.5	10 1 86	6.6	11 26 86	6.65
2993	34	*Aquarii*	56.6	1 25	3	6.6	6.5	10 4 82	6.6	10 2 86	6.6	9 29 88	6.55
2994	...	"	56.7	1 48	3	7.15	7.2	10 4 82	7.2	10 2 86	7.1	12 20 86	7.1
2995	36	"	57.0	2 4	3	7.0	6.9	10 4 82	7.0	10 2 86	7.05	9 18 87	6.9
2996	...	"	57.0	2 49	3	7.0	...	9 18 87	6.9	10 12 87	7.1	9 29 88	7.0
2997	68	*Capricorni*	57.3	20 21	7	5.05	5.1	9 16 82	5.2	10 1 86	5.05	10 2 86	5.0
2998	37	*Aquarii*	57.5	6 19	3	5.8	5.7	10 4 82	5.8	10 2 86	5.75	9 28 88	5.9
2999	69	*Capricorni*	57.8	17 40	3	7.15	7.0	10 3 82	7.1	10 2 86	7.1	9 28 88	7.2
3000	48	*Microscopium*	58.5	30 37	3	6.15	6.0	9 14 84	6.2	10 1 86	6.1	9 28 88	6.2
3001	70	*Capricorni*	58.9	17 44	6	3.9	4.1	9 16 82	4.0	10 1 86	3.85	10 2 86	3.9
3002	71	"	59.6	20 41	2	6.9	6.9	9 16 82	6.9	10 2 86	6.9	.. .. ..	...
3003	73	"	20 59.8	25 30	8	4.85	4.8	9 16 82	5.0	10 1 86	4.8	10 22 86	4.6
3004	...	*Aquarii*	21 0.2	0 36	3	7.15	7.2	10 4 82	7.2	10 2 86	7.1	10 15 87	7.15
3005	74	*Capricorni*	0.4	19 35	3	7.0	6.9	9 16 82	7.0	10 2 86	6.95	9 29 88	7.0
3006	75	"	0.7	17 58	3	6.45	6.6	10 3 82	6.4	10 2 86	6.5	9 29 88	6.5
3007	40	*Aquarii*	0.8	8 44	4	6.8	6.7	10 4 82	6.9	10 20 86	6.7	9 18 87	6.8
3008	41	"	0.9	1 16	3	6.85	6.8	10 4 82	6.8	10 2 86	6.9	9 29 88	6.9
3009	39	"	1.1	0 40	6	7.1	7.0	10 4 82	6.9	11 24 86	7.15	10 20 86	7.1
3010	42	"	1.2	2 33	3	6.85	6.9	10 4 82	6.8	10 2 86	6.9	9 29 88	6.8
3011	76	*Capricorni*	21 1.4	21 42	6	5.4	5.4	9 16 82	5.4	10 1 86	5.4	10 2 86	5.4

No.	U. A. No.	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U. A.	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. m	° ′									
3012	44	*Aquarii*	21 1.7	− 1 30	3	6.9	7.0	10 4 82	6.9	10 2 86	6.9	9 29 88	6.9
3013	77	*Capricorni*	2.1	20 42	4	6.95	7.0	9 16 82	7.0	10 2 86	6.85	9 18 87	6.9
3014	45	*Aquarii*	2.4	6 5	4	6.9	7.0	10 4 82	6.8	10 2 86	7.0	9 18 87	6.95
3015	78	*Capricorni*	2.4	21 3	3	6.55	6.5	9 16 82	6.6	10 2 86	6.6	10 10 88	6.5
3016	54	*Microscopium*	2.6	30 14	3	6.95	6.9	9 14 84	7.0	10 1 86	6.9	9 29 88	6.95
3017	47	*Aquarii*	2.8	11 53	2	4.7	4.7	10 2 82	4.7	11 24 86	4.7	.. .. ..	...
3018	48	"	2.8	0 44	3	6.8	6.7	10 4 82	6.8	10 2 86	6.85	9 29 88	6.7
3019	49	"	4.0	9 52	3	6.6	6.5	10 4 82	6.6	10 20 86	6.6	10 25 88	6.55
3020	50	"	4.8	14 59	5	6.6	6.5	10 3 82	6.8	10 2 86	6.55	12 17 86	6.5
3021	58	*Microscopium*	5.9	28 8	4	5.85	5.8	9 16 82	5.9	9 14 84	5.8	10 1 86	5.8
3022	51	*Aquarii*	7.5	11 7	5	6.7	6.8	10 4 82	6.6	10 20 86	6.6	9 29 88	6.75
3023	79	*Capricorni*	8.1	17 52	13	6.5	6.4	10 3 82	6.2	12 25 86	6.75	9 18 87	6.7
3024	52	*Aquarii*	8.2	0 25	3	6.85	6.8	10 4 82	6.8	10 2 86	6.85	9 29 88	6.85
3025	...	"	8.5	3 5	5	7.0	...	10 4 82	7.0	10 2 86	6.9	10 15 87	7.0
3026	80	*Capricorni*	8.5	21 10	6	5.6	5.5	9 16 82	5.65	10 1 86	5.5	10 2 86	5.65
3027	81	"	8.8	15 41	3	5.85	5.7	10 3 82	5.9	9 18 87	5.75	10 13 87	5.95
3028	...	*Aquarii*	9.1	9 38	2	7.4	7.3	10 4 82	7.4	10 20 86	7.4	.. .. ..	...
3029	53	"	9.2	13 43	3	6.95	6.9	10 3 82	7.0	10 2 86	6.9	9 29 88	6.95
3030	54	"	9.6	9 44	2	6.6	6.6	10 4 82	6.6	10 20 86	6.6	.. .. ..	...
3031	55	"	10.2	2 8	3	6.85	6.9	10 4 82	6.9	10 2 86	6.85	9 29 88	6.85
3032	56	"	10.2	10 39	2	6.8	6.9	10 4 82	6.8	10 20 86	6.8	.. .. ..	...
3033	57	"	10.4	13 48	3	6.55	6.5	10 3 82	6.5	10 2 86	6.6	9 29 88	6.55
3034	82	*Capricorni*	11.0	18 30	4	5.45	5.5	9 16 82	5.5	10 2 86	5.4	9 29 88	5.5
3035	83	"	11.4	20 51	3	6.95	7.0	9 16 82	6.9	10 2 86	6.95	9 29 88	6.95
3036	64	*Microscopium*	11.5	29 17	3	6.55	6.5	9 14 84	6.5	10 1 86	6.6	9 29 88	6.55
3037	58	*Aquarii*	11.6	5 3	4	5.7	5.8	10 4 82	5.8	10 2 86	5.6	9 18 87	5.7
3038	84	*Capricorni*	12.5	27 44	5	6.8	6.9	9 16 82	6.85	10 1 86	6.6	9 18 87	6.8
3039	85	"	12.5	26 52	3	6.8	6.7	9 16 82	6.85	10 1 86	6.85	9 29 88	6.75
3040	59	*Aquarii*	13.0	14 33	3	6.95	7.0	10 3 82	6.95	10 2 86	6.9	9 29 88	6.95
3041	60	"	13.2	13 31	3	6.9	6.9	10 3 82	6.95	10 2 86	6.9	9 29 88	6.9
3042	61	"	13.3	14 2	3	6.95	7.0	10 3 82	6.95	10 2 86	6.9	9 29 88	7.0
3043	66	*Microscopium*	14.4	29 42	5	6.7	6.7	9 14 84	6.6	10 1 86	6.85	9 18 87	6.8
3044	62	*Aquarii*	14.5	5 5	2	6.1	6.1	10 4 82	6.1	10 2 86	6.1	.. .. ..	...
3045	86	*Capricorni*	15.3	17 22	8	4.4	4.4	9 16 82	4.35	10 1 86	4.35	10 2 86	4.4
3046	64	*Aquarii*	15.3	9 51	2	6.9	6.9	10 4 82	6.9	10 20 86	6.9	.. .. ..	..
3047	63	"	15.5	+ 0 50	4	7.0	6.8	9 17 84	6.9	10 2 86	6.8	10 24 88	7.2
3048	87	*Capricorni*	15.8	−23 12	6	6.1	6.0	9 16 82	6.1	10 1 86	6.05	11 18 86	6.15
3049	66	*Aquarii*	16.0	3 40	4	6.7	6.9	10 4 82	6.75	10 2 86	6.75	9 29 88	6.65
3050	65	"	16.2	9 51	4	6.35	6.2	10 4 82	6.3	10 20 86	6.4	9 29 88	6.45
3051	88	*Capricorni*	16.7	25 44	5	6.8	6.8	9 16 82	6.6	10 2 86	6.8	9 18 87	6.8
3052	89	"	17.0	23 17	8	6.65	6.8	9 16 82	6.4	10 1 86	6.6	10 19 86	6.6
3053	90	"	17.1	21 23	5	5.8	5.7	9 16 82	5.8	10 1 86	5.75	11 22 86	5.65
3054	91	"	17.1	24 57	3	6.8	6.8	9 16 82	6.85	10 2 86	6.85	9 29 88	6.75
3055	67	*Aquarii*	17.4	13 25	4	5.6	5.7	10 3 82	5.7	10 2 86	5.5	9 18 87	5.6
3056	69	"	18.4	3 56	3	6.55	6.5	10 4 82	6.6	10 2 86	6.5	9 29 88	6.55
3057	68	"	18.5	10 17	4	5.8	5.8	10 4 82	5.65	10 20 86	5.75	9 29 88	5.9
3058	92	*Capricorni*	18.6	24 22	4	6.8	6.8	9 16 82	6.7	10 2 86	6.8	11 22 86	6.9
3059	71	*Aquarii*	18.6	14 49	6	6.7	6.8	10 3 82	6.8	12 17 86	6.55	12 20 86	6.6
3060	70	"	18.8	4 5	4	5.65	5.7	10 4 82	5.55	10 2 86	5.8	12 17 86	5.7
3061	72	"	19.5	0 0	4	6.5	6.4	9 17 84	6.4	10 2 86	6.55	9 18 87	6.55
3062	93	*Capricorni*	19.5	22 57	6	3.85	3.7	9 16 82	3.7	10 1 86	3.9	10 22 86	3.9
3063	73	*Aquarii*	19.6	12 38	4	6.95	7.0	10 3 82	6.95	10 2 86	6.9	11 28 86	6.9
3064	74	"	21 20.1	+ 0 34	2	6.3	6.2	9 17 84	6.3	10 2 86	6.3	.. .. ..	...

No.	U. A. No.	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd	Mag. U.A	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. *m.*	° ′									
3065	94	*Capricorni*	21 20.2	−21 44	6	6.3	6.2	9 16 82	6.2	10 1 86	6.3	10 2 86	6.3
3066	95	"	20.6	14 8	4	6.85	6.8	10 3 82	6.8	10 2 86	6.9	11 18 86	6.9
3067	96	"	20.9	12 12	4	7.05	7.0	10 3 82	7.1	10 2 86	7.0	10 13 87	7.2
3068	97	"	21.5	12 7	3	6.8	6.8	10 3 82	6.8	10 2 86	6.8	9 29 88	6.8
3069	98	"	21.6	22 21	5	4.75	4.7	9 16 82	4.9	10 1 86	4.8	11 26 86	4.75
3070	1	*Piscis Austrini*	21.6	31 47	4	6.5	6.5	9 14 84	6.6	10 2 86	6.5	9 29 88	6.4
3071	99	*Capricorni*	22.8	14 34	5	7.0	7.0	10 3 82	6.95	10 2 86	7.0	11 18 86	7.0
3072	100	"	23.0	19 42	3	6.7	6.6	9 16 82	6.7	10 2 86	6.8	9 29 88	6.6
3073	101	"	23.8	14 50	3	6.8	6.8	10 3 82	6.8	10 2 86	6.8	9 29 88	6.8
3074	102	"	24.4	19 47	4	7.0	7.0	9 16 82	6.9	10 2 86	7.0	9 29 88	7.15
3075	75	*Aquarii*	25.0	6 7	9	2.8	2.6	10 2 82	2.7	9 21 84	2.9	9 26 84	2.55
3076	103	*Capricorni*	25.4	25 9	3	6.5	6.5	9 16 82	6.5	10 21 86	6.55	9 29 88	6.45
3077	104	"	25.6	12 49	7	7.0	7.0	10 3 82	6.6	10 2 86	6.9	11 18 86	7.0
3078	76	*Aquarii*	27.0	1 23	3	6.65	6.8	9 17 84	6.7	10 2 86	6.65	9 29 88	6.6
3079	3	*Piscis Austrini*	27.5	30 15	2	6.4	6.4	9 14 84	6.4	10 2 86	6.4	.. .. ..	...
3080	77	*Aquarii*	27.6	4 55	4	6.8	6.7	10 4 82	6.75	10 2 86	6.8	9 29 88	6.9
3081	78	"	27.8	3 58	3	6.8	6.8	10 4 82	6.8	10 2 86	6.75	9 29 88	6.9
3082	105	*Capricorni*	27.8	20 38	2	6.0	6.0	9 16 82	6.0	10 2 86	6.0	.. .. ..	...
3083	106	"	27.9	20 48	4	6.7	6.9	9 16 82	6.7	10 2 86	6.65	9 18 87	6.7
3084	107	"	28.1	24 1	5	6.6	6.7	9 16 82	6.5	10 2 86	6.7	9 18 87	6.65
3085	79	*Aquarii*	28.4	+ 1 17	3	6.85	6.7	9 17 84	6.8	12 17 86	6.9	9 29 88	6.9
3086	80	"	28.8	− 4 32	3	6.25	6.2	10 4 82	6.3	10 2 86	6.2	9 29 88	6.3
3087	5	*Piscis Austrini*	28.9	26 44	3	6.05	6.0	9 14 84	6.0	12 25 86	6.1	9 29 88	6.0
3088	108	*Capricorni*	30.1	20 2	4	4.6	4.7	9 16 82	4.6	10 1 86	4.6	11 26 86	4.6
3089	...	"	30.7	19 48	6	7.35	7.1	9 16 82	7.4	10 2 86	7.2	10 19 86	7.4
3090	81	*Aquarii*	31.1	8 25	2	5.0	5.0	9 16 82	5.0	11 24 86	5.0	.. .. ..	...
3091	82	"	31.2	0 57	3	6.1	6.2	9 17 84	6.1	10 2 86	6.05	9 29 88	6.15
3092	9	*Piscis Austrini*	31.9	27 52	3	6.85	6.8	9 14 84	6.9	10 2 86	6.8	9 29 88	6.9
3093	109	*Capricorni*	32.8	11 8	3	6.45	6.3	9 16 82	6.45	10 2 86	6.5	9 29 88	6.45
3094	83	*Aquarii*	33.1	0 37	4	6.7	6.7	9 17 84	6.6	10 2 86	6.65	9 29 88	6.8
3095	110	*Capricorni*	33.2	17 14	6	3.6	3.7	9 16 82	3.5	10 1 86	3.6	10 2 86	3.5
3096	84	*Aquarii*	33.2	+ 1 41	3	5.55	5.5	9 17 84	5.6	10 2 86	5.5	10 15 87	5.5
3097	12	*Piscis Austrini*	34.6	−25 40	4	6.8	6.8	9 14 84	6.7	10 2 86	6.8	9 29 88	6.9
3098	111	*Capricorni*	34.8	14 36	6	5.55	5.6	9 16 82	5.45	10 2 86	5.6	9 15 87	5.55
3099	112	"	34.9	23 50	3	5.7	5.8	9 16 82	5.7	9 14 84	5.7	10 2 86	5.75
3100	113	"	35.7	19 26	5	5.1	5.0	9 16 82	5.2	10 1 86	5.1	11 26 86	5.1
3101	85	*Aquarii*	35.8	+ 0 43	5	5.95	6.0	9 17 84	5.9	10 2 86	6.05	9 18 87	5.9
3102	114	*Capricorni*	36.2	−20 11	4	6.4	6.3	9 16 82	6.35	10 2 86	6.3	9 29 88	6.5
3103	115	"	36.3	14 58	5	6.1	6.1	9 16 82	6.0	10 2 86	6.1	9 18 87	6.2
3104	116	"	37.2	15 19	3	6.2	6.3	9 16 82	6.2	10 2 86	6.15	9 30 88	6.25
3105	86	*Aquarii*	37.9	5 18	3	6.8	6.7	10 10 82	6.8	10 20 86	6.8	9 29 88	6.8
3106	117–8	*Capricorni*	38.3	9 39	4	5.35	5.4	9 16 82	5.45	10 2 86	5.3	9 15 87	5.3
3107	119	"	38.6	13 21	4	6.7	6.7	9 16 82	6.8	10 2 86	6.7	9 29 88	6.7
3108	120	"	39.6	9 51	4	6.5	6.4	9 16 82	6.45	10 2 86	6.6	9 18 87	6.55
3109	121	"	39.8	11 57	4	5.75	5.7	9 16 82	5.75	10 2 86	5.7	9 29 88	5.75
3110	122	"	40.0	12 16	7	7.0	6.9	9 16 82	7.2	10 2 86	7.0	11 18 86	7.0
3111	123	"	40.1	16 42	8	2.65	2.8	10 2 82	2.4	10 1 86	2.9	10 2 86	2.65
3112	87	*Aquarii*	40.1	2 48	7	7.0	6.8	10 10 82	7.0	10 20 86	7.0	11 18 86	7.1
3113	...	"	40.6	2 52	5	7.4	7.5	10 10 82	7.3	10 20 86	7.4	9 29 88	7.35
3114	88	"	40.9	5 11	2	6.9	6.8	10 10 82	6.9	10 20 86	6.9	.. .. ..	...
3115	89	"	41.1	6 30	3	6.35	6.5	10 10 82	6.4	10 20 86	6.35	9 29 88	6.35
3116	90	"	42.5	5 59	2	6.9	6.9	10 10 82	6.9	10 20 86	6.9	.. .. ..	...
3117	17	*Piscis Austrini*	21 42.7	27 59	2	7.0	7.0	9 14 84	7.0	10 2 86	7.0	.. .. ..	...

No.	U. A. No.	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U. A.	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. m.	° ′									
3118	124	*Capricorni*	21 42.9	−13 18	6	6.45	6.3	9 16 82	6.45	10 2 86	6.3	9 18 87	6.4
3119	125	"	43.3	17 26	2	6.6	6.5	9 16 82	6.6	10 2 86	6.6	.. .. ..	...
3120	126	"	43.9	9 34	3	6.85	6.8	9 16 82	6.8	10 2 86	6.9	9 29 88	6.9
3121	...	*Aquarii*	44.2	+ 0 10	3	7.45	7.5	10 20 86	7.4	9 18 87	7.5	10 15 87	7.5
3122	127	*Capricorni*	44.3	−23 51	3	6.85	6.8	9 16 82	6.85	10 2 86	6.8	9 29 88	6.9
3123	128	"	44.8	19 12	4	6.35	6.4	9 16 82	6.35	10 2 86	6.4	9 29 88	6.25
3124	91	*Aquarii*	45.2	+ 0 11	5	6.65	6.7	9 21 84	6.6	10 20 86	6.8	9 18 87	6.55
3125	92	"	45.9	− 3 46	5	6.7	6.7	10 10 82	6.6	10 20 86	6.65	9 18 87	6.75
3126	93	"	46.2	4 35	5	6.95	7.0	10 10 82	6.9	10 20 86	7.0	9 18 87	6.95
3127	129	*Capricorni*	46.3	11 9	3	6.85	7.0	9 16 82	6.8	10 2 86	6.9	9 18 87	6.8
3128	130	"	46.5	14 8	4	5.4	5.4	9 16 82	5.45	10 2 86	5.4	9 29 88	5.4
3129	131	"	46.9	10 54	4	6.45	6.5	9 16 82	6.45	10 2 86	6.6	9 20 87	6.35
3130	94	*Aquarii*	47.7	4 52	5	6.05	6.0	10 10 82	6.1	10 20 86	6.1	9 18 87	6.05
3131	95	"	48.1	3 53	5	6.5	6.4	10 10 82	6.4	10 20 86	6.55	9 18 87	6.5
3132	132	*Capricorni*	49.9	18 29	3	6.6	6.7	9 16 82	6.6	10 2 86	6.55	9 29 88	6.65
3133	133	"	51.0	9 10	5	6.65	6.7	9 16 82	6.7	10 2 86	6.6	9 29 88	6.5
3134	96	*Aquarii*	51.7	6 1	5	6.4	6.5	10 10 82	6.4	10 20 86	6.35	9 18 87	6.4
3135	134	*Capricorni*	51.8	21 47	2	6.5	6.6	10 9 82	6.5	12 25 86	6.5	.. .. ..	...
3136	97	*Aquarii*	52.2	24 26	2	6.9	6.9	10 9 82	6.9	10 19 86	6.9	.. .. ..	...
3137	98	"	52.4	4 58	5	6.45	6.4	10 10 82	6.4	10 20 86	6.55	9 18 87	6.45
3138	21	*Piscis Austrini*	53.7	29 3	3	5.65	5.7	9 14 84	5.7	10 19 86	5.7	9 29 88	5.6
3139	99	*Aquarii*	54.7	0 0	3	6.1	5.9	9 21 84	6.1	10 20 86	6.2	10 15 87	6.05
3140	100	"	55.3	18 30	3	6.55	6.6	9 16 82	6.6	10 2 86	6.55	9 29 88	6.55
3141	101	"	55.6	17 34	3	6.6	6.5	9 16 82	6.6	10 2 86	6.55	9 29 88	6.65
3142	...	*Piscis Austrini*	56.1	30 30	3	7.1	7.2	9 14 84	7.1	10 19 86	7.0	9 29 88	7.2
3143	102	*Aquarii*	56.7	7 8	6	5.85	5.8	10 10 82	5.8	10 20 86	6.0	11 24 86	5.85
3144	103	"	56.9	2 46	5	4.85	4.9	10 9 82	5.1	9 26 84	4.75	10 20 86	4.8
3145	23	*Piscis Austrini*	57.2	30 31	3	6.9	7.0	9 14 84	6.9	10 19 86	6.95	9 29 88	6.9
3146	24	" "	57.4	26 29	3	6.95	6.9	9 14 84	7.0	10 19 86	6.95	9 29 88	6.95
3147	25	" "	57.5	27 26	3	6.15	6.1	9 14 84	6.2	10 19 86	6.1	9 29 88	6.1
3148	104	*Aquarii*	58.4	1 31	4	5.6	5.7	9 21 84	5.7	10 20 86	5.5	9 18 87	5.5
3149	105	"	59.4	0 56	10	2.7	2.7	9 21 84	2.1	9 26 84	2.8	10 2 86	2.7
3150	106	"	59.4	15 30	5	7.0	7.0	10 9 82	7.1	10 19 86	7.0	9 18 87	7.0
3151	107	"	21 59.7	14 29	7	4.15	4.4	10 9 82	4.6	10 19 86	4.1	11 24 86	4.15
3152	108	"	22 0.3	22 51	3	6.95	7.0	10 9 82	6.9	10 19 86	7.0	9 29 88	6.95
3153	110	"	0.8	15 6	3	6.85	6.9	10 9 82	6.85	10 19 86	6.8	9 29 88	6.9
3154	111	"	2.1	13 55	3	6.95	7.0	10 9 82	7.0	10 19 86	6.95	9 29 88	6.95
3155	112	"	2.1	19 8	7	5.9	5.9	10 10 82	5.75	10 2 86	5.85	9 29 88	5.95
3156	113	"	2.5	24 16	2	6.7	6.6	10 9 82	6.7	10 19 86	6.7	.. .. ..	...
3157	114	"	2.9	8 9	4	6.85	6.9	9 21 84	6.8	10 20 86	6.9	10 15 87	6.95
3158	31	*Piscis Austrini*	2.9	28 54	3	6.7	6.5	9 14 84	6.7	10 19 86	6.75	9 29 88	6.6
3159	115	*Aquarii*	3.8	4 30	3	6.55	6.5	9 21 84	6.5	10 20 86	6.65	10 15 87	6.5
3160	116	"	3.9	11 26	4	6.9	6.8	10 9 82	7.0	10 19 86	7.0	9 29 88	6.85
3161	117	"	3.9	12 11	3	5.65	5.6	10 9 82	5.7	10 19 86	5.6	9 29 88	5.6
3162	118	"	4.0	4 53	3	6.45	6.3	9 21 84	6.5	10 20 86	6.4	10 15 87	6.45
3163	119	"	4.1	21 51	2	6.3	6.4	10 9 82	6.3	10 19 86	6.3	.. .. ..	...
3164	120	"	5.7	14 49	6	6.25	6.4	10 9 82	6.2	10 19 86	6.5	11 24 86	6.2
3165	33	*Piscis Austrini*	5.9	26 57	4	6.4	6.4	9 14 84	6.5	10 19 86	6.4	11 26 86	6.3
3166	121	*Aquarii*	6.2	5 20	4	6.7	6.7	9 21 84	6.6	10 20 86	6.65	11 26 86	6.75
3167	34	*Piscis Austrini*	6.7	25 48	4	6.0	5.9	9 14 84	6.0	10 19 86	6.0	11 26 86	6.1
3168	122	*Aquarii*	6.8	12 33	2	7.0	7.0	10 9 82	7.0	10 19 86	7.0	.. .. ..	...
3169	35	*Piscis Austrini*	7.2	28 23	5	5.5	5.6	9 14 84	5.4	10 19 86	5.4	11 26 86	5.45
3170	123	*Aquarii*	22 7.4	21 42	4	5.85	5.8	10 9 82	5.9	10 19 86	5.8	11 18 86	5.8

No.	U. A. No.	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U. A.	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. m.	° ′									
3171	124	*Aquarii*	22 7.8	−24 37	3	7.0	6.9	10 9 82	7.05	10 19 86	6.9	10 15 87	7.0
3172	125	"	7.9	16 26	4	6.7	6.8	10 9 82	6.6	10 19 86	6.8	10 15 87	6.65
3173	36	*Piscis Austrini*	9.6	26 31	4	6.55	6.5	9 14 84	6.7	10 19 86	6.5	11 26 86	6.55
3174	...	*Aquarii*	9.2	23 38	3	7.4	7.1	10 9 82	7.4	10 19 86	7.5	9 29 88	7.35
3175	126	"	10.0	23 46	3	6.55	6.7	10 9 82	6.5	10 19 86	6.6	9 29 88	6.5
3176	127	"	10.1	13 27	4	5.85	5.8	10 9 82	5.8	10 19 86	5.9	12 17 86	5.8
3177	128	"	10.1	2 13	2	6.4	6.4	9 21 84	6.4	10 20 86	6.4	.. .. ..	...
3178	129	"	10.2	8 24	3	4.35	4.3	10 9 82	4.3	10 19 86	4.4	10 20 86	4.4
3179	130	"	10.3	9 40	4	6.2	6.4	9 21 84	6.2	10 20 86	6.1	10 15 87	6.3
3180	131	"	10.6	6 1	6	6.2	6.4	9 21 84	6.2	10 20 86	6.25	11 24 86	6.15
3181	132	"	11.7	0 52	4	6.7	6.6	9 21 84	6.6	10 20 86	6.8	10 15 87	6.6
3182	133	"	12.3	13 56	4	6.4	6.3	10 9 82	6.4	10 19 86	6.4	12 17 86	6.4
3183	38	*Piscis Austrini*	12.3	28 50	3	6.95	7.0	9 14 84	7.0	10 19 86	6.95	9 29 88	6.95
3184	134	*Aquarii*	13.6	8 27	5	5.45	5.6	10 9 82	5.5	9 21 84	5.6	10 19 86	5.3
3185	135	"	14.7	22 13	5	5.55	5.6	10 9 82	5.5	10 19 86	5.6	11 18 86	5.5
3186	136	"	15.2	2 1	10	3.75	3.9	10 9 82	3.85	9 12 84	4.1	9 26 84	3.8
3187	137	"	16.6	25 24	2	6.0	5.9	10 10 82	6.0	10 19 86	6.0	.. .. ..	...
3188	138	"	17.0	7 50	4	6.35	6.2	9 21 84	6.2	10 20 86	6.4	11 24 86	6.4
3189	139	"	17.6	5 28	5	5.75	5.8	9 21 84	5.7	10 20 86	5.9	11 24 86	5.7
3190	140	"	17.8	14 10	4	6.05	6.1	10 9 82	6.0	10 19 86	6.1	12 17 86	6.1
3191	141	"	18.2	1 49	2	6.9	6.8	9 21 84	6.9	10 20 86	6.9	.. .. ..	...
3192	142	"	18.9	+ 0 45	10	4.7	4.9	10 9 82	4.7	9 12 84	4.9	9 26 84	5.1
3193	143	"	19.0	−20 52	3	6.8	7.0	10 10 82	6.8	10 19 86	6.8	10 3 88	6.85
3194	144	"	19.3	24 19	3	6.4	6.3	10 10 82	6.45	10 19 86	6.3	10 15 87	6.45
3195	145-6	"	19.8	17 23	2	5.9	5.8	10 9 82	5.9	10 19 86	5.9	.. .. ..	...
3196	...	"	19.8	3 25	5	7.0	...	9 21 85	6.9	10 20 86	7.2	11 24 86	6.8
3197	147	"	20.0	8 1	2	6.9	6.9	9 21 84	6.9	10 20 86	6.9	.. .. ..	...
3198	148	"	20.1	11 52	2	6.9	7.0	10 9 82	6.9	10 20 86	6.9	.. .. ..	...
3199	149	"	20.7	1 57	3	6.95	6.9	9 21 84	6.9	10 20 86	7.0	10 3 88	6.95
3200	150-1	"	22.4	0 40	9	3.6	3.5	10 9 82	3.7	9 21 84	3.75	9 26 84	3.4
3201	40	*Piscis Austrini*	22.8	27 45	5	6.2	6.3	9 14 84	6.0	10 15 84	6.2	10 19 86	6.3
3202	152	*Aquarii*	23.3	13 33	3	6.55	6.5	10 9 82	6.6	10 19 86	6.5	9 29 88	6.5
3203	153	"	23.6	15 13	3	6.35	6.3	10 9 82	6.4	10 19 86	6.3	9 29 88	6.3
3204	154	"	24.0	11 19	4	4.85	5.1	10 9 82	5.0	10 19 86	4.85	10 15 87	4.75
3205	41	*Piscis Austrini*	24.0	26 43	3	6.7	6.7	9 14 84	6.7	10 19 86	6.7	9 29 88	6.65
3206	155	*Aquarii*	24.9	3 33	4	6.55	6.6	9 21 84	6.4	10 20 86	6.6	10 15 87	6.65
3207	157	"	24.8	7 12	4	6.3	6.2	9 21 84	6.5	10 20 86	6.4	9 30 88	6.2
3208	156	"	25.1	11 33	3	6.5	6.7	10 9 82	6.6	10 20 86	6.4	10 15 87	6.5
3209	158	"	26.0	7 7	4	7.05	7.0	9 21 84	7.0	11 24 86	7.2	12 20 86	7.1
3210	159	"	27.5	10 15	4	6.8	6.7	9 21 84	6.9	10 20 86	6.85	9 30 88	6.8
3211	160	"	27.6	2 13	3	6.15	6.2	9 21 84	6.2	10 20 86	6.15	10 3 88	6.15
3212	161	"	27.9	21 21	5	5.55	5.7	10 10 82	5.65	10 19 86	5.45	11 18 86	5.6
3213	162	"	28.7	24 38	3	6.25	6.2	10 10 82	6.3	10 19 86	6.2	10 3 88	6.3
3214	163	"	28.9	0 46	9	3.95	4.1	10 9 82	4.1	9 12 84	3.9	9 26 84	4.1
3215	164	"	29.1	18 6	3	6.65	6.7	10 10 82	6.6	10 19 86	6.75	10 15 87	6.6
3216	165	"	29.4	17 2	3	6.7	6.7	10 10 82	6.7	10 19 86	6.75	10 3 88	6.6
3217	166	"	31.3	4 52	5	5.2	5.2	9 21 84	4.9	10 20 86	5.25	11 24 86	5.3
3218	167	"	31.8	8 33	5	6.45	6.4	9 21 84	6.4	10 20 86	6.6	11 24 86	6.4
3219	48	*Piscis Austrini*	31.8	29 24	4	6.7	6.8	9 21 84	6.6	10 19 86	6.7	10 15 87	6.75
3220	168	*Aquarii*	32.7	10 41	4	6.85	6.9	9 21 84	6.9	10 20 86	6.85	9 30 88	6.8
3221	50	*Piscis Austrini*	32.8	28 59	4	6.45	6.5	9 21 84	6.3	10 19 86	6.5	10 15 87	6.45
3222	169	*Aquarii*	33.5	10 1	4	6.85	6.8	9 21 84	6.9	9 26 84	6.9	10 20 86	6.85
3223	52	*Piscis Austrini*	22 33.7	27 42	3	4.05	4.3	9 21 84	4.0	10 19 86	4.15	10 15 87	4.05

No.	U. A. No.	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U. A.	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. *m*	° ′									
3224	170	*Aquarii*	22 34.2	−24 10	3	6.9	6.9	10 10 82	6.9	9 21 84	6.8	10 19 86	7.0
3225	171	"	34.3	4 12	6	6.65	6.4	9 21 84	6.9	10 20 86	6.6	11 24 86	6.7
3226	53	*Piscis Austrini*	35.4	30 1	3	6.55	6.5	9 21 84	6.6	10 19 86	6.6	9 29 88	6.5
3227	172	*Aquarii*	35.6	5 45	3	6.85	6.7	9 21 84	6.9	10 20 86	6.8	10 3 88	6.9
3228	...	"	36.3	0 35	3	7.0	7.3	9 21 84	7.0	10 20 86	7.0	10 3 88	7.0
3229	173	"	36.4	0 25	2	7.0	7.0	9 21 84	7.0	10 20 86	7.0	.. .. ..	...
3230	174	"	36.5	8 58	6	6.4	6.6	9 21 84	6.3	10 20 86	6.6	11 24 86	6.4
3231	175	"	36.7	7 37	5	6.4	6.4	9 21 84	6.3	10 20 86	6.5	11 24 86	6.4
3232	176	"	36.9	19 29	5	5.0	4.9	10 9 82	5.0	10 19 86	5.15	11 18 86	5.05
3233	54	*Piscis Austrini*	38.7	25 54	3	6.5	6.5	9 21 84	6.6	10 19 86	6.45	10 15 87	6.5
3234	177	*Aquarii*	39.7	11 49	2	6.9	7.0	9 21 84	6.9	10 20 86	6.9	.. .. ..	...
3235	178	"	40.7	18 13	4	6.8	6.9	10 10 82	6.7	10 19 86	6.75	10 3 88	6.95
3236	179	"	40.9	20 16	5	5.5	5.4	10 9 82	5.3	10 19 86	5.45	11 18 86	5.6
3237	180	"	41.1	14 43	4	5.8	5.8	10 9 82	5.95	10 20 86	5.7	11 24 86	5.75
3238	57	*Piscis Austrini*	41.1	26 34	4	6.4	6.5	9 21 84	6.3	10 19 86	6.45	10 15 87	6.5
3239	...	*Aquarii*	41.4	4 53	4	6.65	6.7	9 21 84	6.8	10 20 86	6.6	10 15 87	6.55
3240	58	*Piscis Austrini*	41.6	28 13	3	6.8	6.8	9 21 84	6.8	10 19 86	6.8	9 29 88	6.85
3241	181	*Aquarii*	41.9	11 13	4	6.35	6.2	9 21 84	6.4	9 26 84	6.3	10 20 86	6.4
3242	182	"	42.5	23 45	4	7.0	7.0	10 10 82	7.0	10 19 86	7.0	11 26 86	6.9
3243	183	"	43.0	14 15	9	4.45	4.2	10 9 82	4.0	10 2 86	4.2	10 19 86	4.55
3244	60	*Piscis Austrini*	44.5	30 12	4	6.4	6.4	9 21 84	6.3	10 19 86	6.45	10 15 87	6.4
3245	184	*Aquarii*	45.9	19 42	7	7.1	6.8	10 10 82	7.05	10 19 86	6.9	12 20 86	7.2
3246	185	"	46.1	8 15	10	4.0	3.6	10 9 82	3.7	10 2 86	4.0	10 21 86	3.95
3247	186	"	46.2	10 43	3	6.85	6.8	9 21 84	6.9	10 20 86	6.8	10 13 88	6.9
3248	187	"	46.9	12 17	4	5.9	6.0	9 21 84	5.8	9 26 84	5.9	10 20 86	5.95
3249	188	"	47.0	6 39	4	6.9	6.9	9 21 84	7.0	10 20 86	6.8	10 15 87	6.9
3250	189	"	47.4	19 50	3	6.8	7.0	10 10 82	6.8	10 19 86	6.8	9 30 88	6.85
3251	190	"	47.5	12 51	2	7.0	7.0	9 21 84	7.0	10 20 86	7.0	.. .. ..	...
3252	191	"	48.0	16 29	8	3.1	3.2	10 9 82	3.1	10 1 86	3.2	11 18 86	3.0
3253	192	"	48.1	7 52	4	6.65	6.4	9 21 84	6.7	10 20 86	6.65	12 17 86	6.6
3254	193	"	48.2	16 56	3	5.75	5.8	10 10 82	5.8	10 21 86	5.7	10 3 88	5.8
3255	194	"	48.2	23 2	4	6.8	6.8	10 10 82	6.8	10 19 86	6.8	11 26 86	6.8
3256	3	*Piscium*	48.6	+ 0 24	4	6.25	6.3	10 9 84	6.2	10 21 86	6.4	10 15 87	6.2
3257	195	*Aquarii*	48.7	− 5 39	4	5.95	5.9	9 21 84	6.0	10 20 86	5.9	10 15 87	5.95
3258	196	"	48.8	20 48	4	6.75	6.6	10 10 82	6.6	10 19 86	6.8	11 26 86	6.8
3259	4	*Piscium*	50.7	3 55	5	6.45	6.6	10 21 86	6.75	12 21 86	6.35	12 25 86	6.3
3260	197	*Aquarii*	50.8	5 29	4	6.65	6.6	9 21 84	6.7	10 20 86	6.6	10 15 87	6.6
3261	6	*Piscium*	51.8	3 4	3	6.4	6.2	10 9 84	6.4	10 21 86	6.4	9 29 88	6.4
3262	7	"	52.0	2 5	4	6.4	6.5	10 9 84	6.3	10 21 86	6.4	9 29 88	6.45
3263	68	*Piscis Austrini*	52.8	30 8	3	6.0	5.9	9 21 84	6.0	10 19 86	5.9	9 29 88	6.05
3264	198	*Aquarii*	53.0	13 44	5	6.55	6.6	9 21 84	6.4	9 26 84	6.5	10 20 86	6.65
3265	9	*Piscium*	53.1	+ 0 18	3	5.7	5.4	10 9 84	5.65	10 21 86	5.7	9 29 88	5.7
3266	69	*Piscis Austrini*	53.3	−25 50	3	6.2	6.1	9 26 84	6.1	12 21 86	6.2	9 29 88	6.25
3267	70	" "	53.6	26 18	2	6.6	6.7	9 26 84	6.6	12 21 86	6.6	.. .. ..	...
3268	199	*Aquarii*	53.8	9 33	3	6.9	6.9	9 21 84	6.8	10 20 86	6.95	10 15 87	6.95
3269	10	*Piscium*	54.2	0 29	4	6.55	6.4	10 9 84	6.4	10 21 86	6.6	10 15 87	6.65
3270	71	*Piscis Austrini*	54.5	29 31	4	6.05	5.9	9 21 84	6.0	10 19 86	5.9	10 19 87	6.2
3271	200	*Aquarii*	54.7	23 28	4	6.65	6.7	10 10 82	6.7	10 19 86	6.6	11 26 86	6.65
3272	201	"	54.9	7 44	6	6.5	6.6	9 21 84	6.7	10 20 86	6.35	11 24 86	6.5
3273	202	"	55.1	5 23	4	6.15	6.1	9 21 84	6.3	10 20 86	6.1	10 15 87	6.1
3274	203	"	56.0	19 13	6	6.75	7.0	10 10 82	6.7	10 21 86	7.0	11 24 86	6.7
3275	204	"	56.1	7 15	6	6.55	6.4	9 21 84	6.7	10 20 86	6.45	11 24 86	6.45
3276	205	"	22 56.1	21 32	4	6.55	6.5	10 10 82	6.55	10 19 86	6.45	11 26 86	6.6

No.	U. A. No.	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U. A.	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. m.	° ′									
3277	73	*Piscis Austrini*	22 56.9	−27 29	2	7.0	6.9	9 26 84	7.0	12 20 86	7.0	.. .. ..	...
3278	74	" "	56.9	31 7	4	6.95	7.0	9 26 84	6.9	10 19 86	6.95	9 29 88	7.0
3279	206	*Aquarii*	57.5	5 28	4	6.75	6.9	9 21 84	6.7	10 20 86	6.8	10 15 87	6.8
3280	75	*Piscis Austrini*	58.1	27 49	4	7.0	7.0	9 26 84	6.9	12 21 86	7.0	9 29 88	7.1
3281	207	*Aquarii*	58.6	17 45	3	6.35	6.3	10 10 82	6.3	10 21 86	6.4	9 30 88	6.3
3282	208	"	58.7	8 22	4	5.4	5.4	9 21 84	5.5	10 20 86	5.4	11 21 86	5.3
3283	209	"	58.7	17 34	5	7.2	6.9	10 10 82	7.2	10 21 86	7.3	11 24 86	7.2
3284	...	"	58.8	8 26	6	7.1	7.4	9 21 84	6.8	10 20 86	7.4	11 24 86	7.3
3285	16	*Piscium*	58.9	+ 0 38	4	6.6	6.6	10 9 84	6.5	10 20 86	6.75	12 21 86	6.6
3286	...	*Aquarii*	22 59.3	8 36	4	6.85	...	9 21 84	6.8	10 20 86	6.95	10 25 88	6.8
3287	210	"	23 0.0	−24 25	11	4.5	4.4	10 9 82	4.65	9 21 84	4.5	9 26 84	4.5
3288	1	*Sculptoris*	0.2	30 43	3	6.75	6.7	9 26 84	6.8	10 19 86	6.75	10 31 88	6.75
3289	2	"	1.6	29 30	4	5.85	6.0	9 26 84	5.9	12 20 86	5.85	10 19 87	5.75
3290	...	*Piscis Austrini*	2.2	26 30	3	6.9	...	12 21 86	7.0	12 25 86	6.85	9 29 88	6.85
3291	17	*Piscium*	2.3	+ 1 27	4	5.3	5.6	10 9 84	5.3	10 21 86	5.25	12 21 86	5.4
3292	211	*Aquarii*	2.8	−21 51	10	3.7	3.7	10 9 82	3.65	9 21 84	3.8	9 26 84	3.7
3293	3	*Sculptoris*	3.0	28 46	3	6.3	6.3	9 26 84	6.3	10 19 87	6.3	10 31 88	6.35
3294	212	*Aquarii*	3.2	23 8	11	4.8	4.9	10 9 82	4.9	9 21 84	4.7	9 26 84	4.9
3295	213	"	3.3	15 11	4	6.65	6.8	10 13 84	6.5	10 21 86	6.7	11 24 86	6.7
3296	4	*Sculptoris*	4.0	30 12	4	6.6	6.6	9 26 84	6.7	10 19 86	6.55	10 19 87	6.5
3297	214	*Aquarii*	4.2	6 38	3	6.95	6.9	10 9 84	6.95	10 20 86	6.9	10 31 88	7.0
3298	215	"	7.9	6 43	7	4.35	4.1	10 9 82	4.1	10 2 86	4.3	11 26 86	4.4
3299	216	"	8.2	11 22	4	6.7	6.5	10 13 84	6.6	10 21 86	6.75	12 20 86	6.7
3300	5	*Sculptoris*	9.0	30 32	4	6.75	6.7	9 26 84	6.7	10 19 86	6.75	10 19 87	6.75
3301	217	*Aquarii*	9.1	4 11	2	5.5	5.4	10 9 84	5.5	10 20 86	5.5	.. .. ..	...
3302	218	"	9.3	9 46	6	4.2	4.1	10 9 82	4.1	10 2 86	4.3	11 21 86	4.3
3303	20	*Piscium*	9.3	+ 0 38	3	6.9	6.8	10 9 84	7.0	10 21 86	6.8	10 19 87	6.9
3304	219	*Aquarii*	10.4	− 8 25	5	5.35	5.3	10 9 84	5.3	10 20 86	5.3	11 21 86	5.65
3305	6	*Sculptoris*	10.4	29 7	4	6.6	6.5	9 26 84	6.7	12 20 86	6.6	10 19 87	6.5
3306	220	*Aquarii*	10.5	7 51	3	6.75	6.8	10 9 84	6.7	10 20 86	6.8	10 31 88	6.7
3307	...	"	10.9	16 51	4	6.9	...	10 13 84	6.5	10 21 86	7.0	12 20 86	7.0
3308	221	"	11.1	12 24	7	6.45	6.6	10 13 84	6.35	10 21 86	6.7	11 24 86	6.3
3309	222	"	11.4	9 52	7	4.1	4.2	10 9 82	4.35	10 2 86	4.05	11 21 86	4.0
3310	8	*Sculptoris*	12.2	31 14	3	6.9	6.9	9 26 84	6.8	10 19 86	6.95	10 19 87	6.95
3311	9	"	12.4	29 4	4	6.7	6.8	9 26 84	6.7	12 20 86	6.6	10 19 87	6.75
3312	223	*Aquarii*	12.5	10 18	8	4.6	4.8	10 9 82	4.65	10 2 86	4.4	11 21 86	4.7
3313	224	"	12.5	11 8	4	5.45	5.5	10 13 84	5.55	10 21 86	5.45	10 22 86	5.45
3314	225	"	12.8	18 46	3	6.7	6.8	10 10 82	6.75	10 21 86	6.7	10 31 88	6.7
3315	226	"	12.9	5 48	3	5.55	5.6	10 9 84	5.6	10 20 86	5.5	10 31 88	5.6
3316	227	"	13.8	4 36	4	6.65	6.5	10 9 84	6.6	10 20 86	6.6	10 3 88	6.7
3317	228	"	14.2	6 35	4	6.3	6.4	10 9 84	6.2	10 20 86	6.4	10 19 87	6.2
3318	11	*Sculptoris*	14.6	27 40	4	5.9	6.0	9 26 84	5.7	10 20 86	6.0	12 21 86	5.9
3319	229	*Aquarii*	14.9	5 21	4	6.6	6.7	10 9 84	6.5	10 20 86	6.6	10 31 88	6.7
3320	230	"	16.1	15 44	3	5.3	5.3	10 13 84	5.3	10 21 86	5.3	10 22 86	5.3
3321	231	"	16.4	20 47	9	4.0	3.9	10 9 82	3.9	9 21 84	4.1	9 26 84	4.0
3322	24	*Piscium*	17.1	0 24	4	6.6	6.4	10 9 84	6.7	10 21 86	6.5	12 19 86	6.5
3323	232	*Aquarii*	17.3	9 9	4	6.9	6.9	10 9 84	7.1	10 21 86	6.9	10 19 87	6.8
3324	233	"	17.5	22 27	3	6.85	6.8	10 10 82	6.9	10 22 86	6.8	10 31 88	6.9
3325	234	"	17.5	19 23	3	6.7	6.9	10 10 82	6.75	10 21 86	6.7	10 31 88	6.7
3326	235	"	19.5	21 20	12	4.55	4.4	10 9 82	4.4	9 21 84	4.5	9 26 84	4.3
3327	12	*Sculptoris*	19.6	28 6	4	6.7	6.6	10 20 86	6.6	10 20 86	6.7	12 21 86	6.75
3328	236	*Aquarii*	21.6	12 8	3	6.95	7.0	10 10 82	7.0	10 22 86	6.9	10 31 88	7.0
3329	237	"	23 21.6	12 8	3	6.75	6.7	10 13 84	6.8	10 21 86	6.7	10 31 88	6.7

No.	U. A. No.	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U. A.	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. *m.*	° ′									
3330	14	*Sculptoris*	23 21.8	−26 7	4	6.65	6.4	9 26 84	6.7	10 20 86	6.6	10 31 88	6.7
3331	...	*Aquarii*	22.3	6 5	3	7.0	...	10 9 84	7.1	10 21 86	6.9	10 19 87	6.95
3332	238	"	22.6	9 57	4	6.45	6.5	10 13 84	6.6	10 21 86	6.5	11 24 86	6.45
3333	30	*Piscium*	23.0	2 29	5	6.4	6.4	10 9 84	6.3	10 21 86	6.4	10 31 88	6.45
3334	31	"	23.1	1 43	5	6.65	6.8	10 9 82	6.7	10 21 86	6.8	10 10 88	6.55
3335	239	*Aquarii*	23.1	5 13	5	6.25	6.3	10 9 84	6.3	10 21 86	6.25	10 19 87	6.25
3336	240	"	24.6	6 59	4	6.6	6.5	10 9 84	6.5	10 21 86	6.6	10 19 87	6.55
3337	241	"	25.1	4 46	4	6.3	6.3	10 9 84	6.3	10 21 86	6.35	10 19 87	6.3
3338	242	"	25.2	22 4	4	6.4	6.3	10 10 82	6.5	10 22 86	6.3	10 19 87	6.5
3339	...	"	25.3	21 56	3	7.3	7.3	10 10 82	7.2	10 22 86	7.35	10 31 88	7.35
3340	15	*Sculptoris*	25.4	26 26	4	6.55	6.7	9 26 84	6.7	10 20 86	6.5	10 19 87	6.5
3341	32	*Piscium*	25.6	1 47	4	6.5	6.4	10 9 84	6.5	10 21 86	6.5	10 31 88	6.6
3342	243	*Aquarii*	26.0	11 41	4	6.8	6.8	10 13 84	6.8	10 21 86	6.8	10 10 88	6.9
3343	34	*Piscium*	26.5	3 42	4	6.7	6.6	10 9 84	6.7	10 21 86	6.7	10 19 87	6.75
3344	244	*Aquarii*	26.7	21 36	11	4.4	4.5	10 9 82	4.2	9 21 84	4.5	9 26 84	4.5
3345	...	"	26.7	13 18	4	7.0	...	10 13 84	7.0	10 21 86	7.0	11 26 86	6.95
3346	245	"	27.0	5 6	6	6.7	6.8	10 9 84	6.5	10 21 86	6.8	11 24 86	6.65
3347	35	*Piscium*	27.7	1 56	3	5.85	5.9	10 9 84	5.8	10 21 86	5.9	10 31 88	5.85
3348	246	*Aquarii*	28.3	15 56	4	6.5	6.6	10 9 82	6.4	10 21 86	6.6	10 19 87	6.6
3349	247	"	28.8	4 33	4	6.9	6.9	10 9 84	7.0	10 21 86	6.8	10 19 87	6.85
3350	248	"	29.1	8 9	3	6.6	6.5	10 13 84	6.6	10 21 86	6.55	10 31 88	6.6
3351	19	*Sculptoris*	29.1	28 11	3	6.55	6.5	9 26 84	6.6	10 20 86	6.5	10 31 88	6.5
3352	249	*Aquarii*	29.6	9 27	3	7.0	7.0	10 13 84	7.0	10 21 86	7.0	10 31 88	7.0
3353	20	*Sculptoris*	29.6	27 34	5	6.45	6.4	9 26 84	6.6	10 20 86	6.5	10 31 88	6.4
3354	250	*Aquarii*	31.2	13 45	3	6.0	6.0	10 13 84	6.05	10 21 86	6.0	10 31 88	6.0
3355	251	"	31.6	15 47	3	6.8	7.0	10 9 82	6.8	10 21 86	6.8	10 31 88	6.85
3356	252	"	31.8	9 19	3	6.95	6.9	10 13 84	7.0	10 21 86	7.0	10 31 88	6.9
3357	253	"	33.3	14 55	3	5.1	5.2	10 21 86	5.1	10 22 86	5.15	10 25 88	5.0
3358	254	"	34.4	8 36	4	6.95	7.0	10 13 84	6.8	10 21 86	7.0	10 19 87	7.05
3359	255	"	34.7	12 22	3	6.15	6.2	10 13 84	6.2	10 21 86	6.2	10 31 88	6.0
3360	256	"	35.1	18 43	4	5.85	5.8	10 9 82	5.9	10 20 86	5.75	10 19 87	5.7
3361	257	"	35.3	18 31	4	5.0	5.0	10 9 82	5.1	10 20 86	4.9	10 19 87	5.0
3362	258	"	36.0	16 8	4	5.8	5.7	10 9 82	5.9	10 21 86	5.8	10 22 86	5.8
3363	259	"	36.2	15 14	8	4.6	4.7	10 9 82	4.5	10 21 86	4.8	10 22 86	4.8
3364	261	"	37.7	18 58	4	5.4	5.2	10 9 82	5.4	10 20 86	5.5	10 19 87	5.35
3365	26	*Sculptoris*	38.0	26 56	3	6.3	6.3	9 26 84	6.3	10 20 86	6.3	11 3 88	6.3
3366	262-3	*Aquarii*	39.5	19 22	4	5.35	5.4	10 9 82	5.4	10 20 86	5.2	10 19 87	5.4
3367	264	"	40.8	12 36	4	5.75	5.9	10 13 84	5.7	10 21 86	5.65	10 22 86	5.7
3368	43	*Piscium*	41.5	3 27	7	5.6	5.5	10 9 84	5.45	10 13 84	5.7	10 21 86	5.6
3369	265	*Aquarii*	42.1	7 5	6	6.5	6.4	10 13 84	6.8	10 17 84	6.5	10 21 86	6.45
3370	27	*Sculptoris*	42.4	28 49	4	4.6	4.6	9 26 84	4.5	10 21 86	4.6	11 3 88	4.7
3371	28	"	42.9	28 33	4	6.7	6.8	9 26 84	6.6	10 21 86	6.75	10 19 87	6.8
3372	266	*Aquarii*	43.1	16 33	4	6.8	6.8	10 9 82	6.8	10 13 84	6.8	10 17 84	6.7
3373	46	*Piscium*	43.1	+ 0 23	3	5.65	5.8	10 18 84	5.7	10 22 86	5.65	11 3 88	5.6
3374	29	*Sculptoris*	43.4	−26 2	3	6.4	6.5	9 26 84	6.4	10 21 86	6.4	11 3 88	6.4
3375	267	*Aquarii*	43.7	11 48	4	6.85	6.9	10 13 84	6.8	10 17 84	6.9	10 21 86	6.85
3376	268	"	43.8	10 40	5	6.15	5.8	10 13 84	6.2	10 21 86	6.2	10 22 86	6.05
3377	269	"	44.1	15 6	5	6.0	6.0	10 13 84	5.8	10 21 86	6.05	11 24 86	6.1
3378	...	"	44.0	15 17	3	7.05	7.1	10 13 84	7.1	10 21 86	7.0	11 3 88	7.0
3379	1	*Ceti*	50.1	25 26	4	6.5	6.3	9 26 84	6.5	10 21 86	6.55	10 31 88	6.55
3380	270	*Aquarii*	44.9	19 36	4	5.1	5.1	10 9 82	5.1	10 19 84	5.15	10 20 86	5.0
3381	271	"	46.1	14 57	4	6.2	6.2	10 13 84	6.2	10 17 84	6.1	10 21 86	6.2
3382	272	"	23 46.2	19 15	5	7.15	7.0	10 9 82	7.3	10 21 86	7.0	11 24 86	7.2

No.	U. A. No.	Name.	1875. R. A.	1875. Decl.	No. Obs.	Mag. Mean Obs'd.	Mag. U. A.	Separate Observations. Date.	Mag.	Date.	Mag.	Date.	Mag.
			h. *m.*	° ′									
3383	32	*Sculptoris*	23 46.2	−25 41	4	6.7	6.7	9 26 84	6.6	10 21 86	6.75	10 19 87	6.8
3384	273	*Aquarii*	46.4	9 42	5	5.6	5.6	10 13 84	5.4	10 21 86	5.5	10 22 86	5.6
3385	50	*Piscium*	46.5	3 51	4	6.15	6.1	10 9 84	6.1	10 13 84	6.2	10 21 86	6.1
3386	274	*Aquarii*	46.9	24 55	4	6.25	6.3	9 26 84	6.3	10 21 86	6.1	10 19 87	6.25
3387	33	*Sculptoris*	47.9	27 44	3	6.4	6.4	9 26 84	6.4	10 21 86	6.4	11 3 88	6.4
3388	52	*Piscium*	48.4	0 35	4	6.1	5.9	10 18 84	6.1	10 22 86	6.1	10 10 88	6.2
3389	275	*Aquarii*	48.6	10 9	4	6.8	6.8	10 13 84	6.8	10 17 84	6.9	10 21 86	6.7
3390	276	"	49.4	13 51	4	6.9	7.0	10 13 84	6.8	10 17 84	6.9	10 21 86	7.0
3391	36	*Sculptoris*	50.7	27 19	5	6.65	6.4	9 26 84	6.5	10 21 86	6.55	11 3 88	6.65
3392	2	*Ceti*	50.8	21 32	5	6.9	7.0	11 9 84	6.8	10 22 86	6.95	10 23 86	7.0
3393	3	"	51.9	16 33	6	6.6	6.8	12 29 82	6.5	10 21 86	6.75	11 19 86	6.6
3394	55	*Piscium*	52.3	4 15	4	5.0	5.1	10 13 84	5.2	10 21 86	5.0	10 19 87	4.95
3395	38	*Sculptoris*	53.0	30 11	3	6.05	5.8	9 26 84	6.0	10 21 86	6.0	11 3 88	6.1
3396	57	*Piscium*	53.3	6 35	4	6.7	6.9	10 13 84	6.6	10 21 86	6.75	10 19 87	6.8
3397	...	"	53.4	0 59	4	7.15	7.1	10 18 84	7.2	10 22 86	7.15	11 3 88	7.05
3398	39	*Sculptoris*	55.0	29 25	4	7.0	6.9	9 26 84	6.9	10 21 86	7.0	11 3 88	7.1
3399	58	*Piscium*	55.4	3 43	4	4.95	5.0	11 13 84	5.0	10 21 86	4.8	10 19 87	5.0
3400	59	"	55.6	6 43	4	4.5	4.4	10 13 84	4.5	10 21 86	4.4	10 19 87	4.6
3401	...	*Ceti*	55.8	14 7	3	7.0	...	10 13 84	7.0	10 21 86	7.0	10 19 87	6.95
3402	42	*Sculptoris*	55.9	30 25	3	5.0	5.2	9 26 84	4.9	10 21 86	5.1	10 19 87	5.0
3403	60	*Piscium*	56.0	+ 8 16	2	6.5	6.4	1 9 82	6.5	11 27 86	6.5	.. .. ..	...
3404	61	"	56.1	7 48	2	5.6	5.7	1 9 82	5.6	11 27 86	5.6	.. .. ..	...
3405	4	*Ceti*	56.5	−20 45	6	6.45	6.8	11 9 84	6.6	10 22 86	6.5	10 23 86	6.4
3406	5	"	56.7	24 51	3	6.8	6.7	11 9 84	6.8	10 22 86	6.7	11 3 88	6.85
3407	6	"	57.3	18 2	10	4.4	4.3	12 29 82	4.5	11 9 84	4.25	11 11 84	4.4
3408	...	*Sculptoris*	57.5	29 5	2	6.9	6.9	9 26 84	6.9	10 21 86	6.9	.. .. ..	...
3409	44	"	57.8	30 50	3	6.85	6.9	9 26 84	6.8	10 21 86	6.9	11 3 88	6.8
3410	7	*Ceti*	57.9	17 13	3	5.95	5.9	12 29 82	6.0	10 21 86	5.9	11 3 88	6.0
3411	45	*Sculptoris*	57.9	29 58	4	6.45	6.3	9 26 84	6.5	10 21 86	6.4	11 3 88	6.35
3412	...	"	58.0	30 5	3	7.4	7.4	10 21 86	7.35	12 25 86	7.25	11 3 88	7.5
3413	8	*Ceti*	58.1	11 12	4	5.2	5.3	12 29 82	5.15	10 23 86	5.2	11 3 88	5.25
3414	62	*Piscium*	58.7	1 12	3	6.55	6.5	10 18 84	6.5	10 22 86	6.6	11 3 88	6.5
3415	63	"	23 58.9	6 24	5	4.65	4.8	10 13 84	4.4	10 21 86	4.6	12 21 86	4.65

NOTES.

10 *Ceti.* 12.20.86, 6.1; 12.25.86, 6.1; 10.19.87, 6.1.
65 *Piscium.* 10.22.86, 6.4.
66 " 10.22.86, 6.5.
12 *Ceti.* 11.7.88, 6.25.
13 " 11.7.88, 6.5.
51 *Sculptoris.* 12.2.88, 5.4.
67 *Piscium.* 11.7.88, 6.05.
14 *Ceti.* 12.4.88, 5.85.
.. *Piscium.* 12.21.86, 6.9. Gould, Gen. Cat., No. 87.
15 *Ceti.* 11.26.86, 4.75; 11.9.87, 4.8; 11.7.88, 4.8.
17 ". 11.7.88, 6.95.
56 *Sculptoris.* 12.2.88, 6.35.
68 *Piscium.* 10.22.86, 7.3; 12.21.86, 7.3; 10.19.87, 7.3; 11.7.88, 7.3; 12.23.88, 7.3; 1.19.89, 7.3. This star has not been found brighter than 7.1.
21 *Ceti.* 11.7.88, 6.95.
22 " 11.3.88, 5.6.
23 " 11.18.86, 7.15; 11.28.86, 7.0; 12.20.86, 7.0; 10.19.87, 7.05; 11.7.88, 6.85; 12.4.88, 6.9. The estimates vary from 6.85 to 7.3.
25 *Ceti.* 11.18.86, 4.7; 11.26.86, 4.7; 12.25.86, 4.85; 10.19.87, 4.95; 11.9.87, 4.6. The estimates of this red star vary from 4.1 to 4.95, yet are fairly accordant if we exclude the first observation made in 1882.
27 *Ceti.* 11.3.88, 5.6; 12.23.88, 5.6. The observations exhibit a slight progressive brightening.
.. *Ceti.* 12.21.86, 6.9.
70 *Piscium.* 12.6.88, 5.9.
72 " 12.6.88, 6.85.
74 " 10.19.87, 6.9; 11.7.88, 7.1.
28 *Ceti.* 11.18.86, 6.7.
75 *Piscium.* 12.6.88, 6.85.
29 *Ceti.* 11.18.86, 6.7.
.. *Piscium.* 10.22.86, 7.1; 12.22.88, 7.1.
30 *Ceti.* 11.7.88, 6.7.
.. *Piscium.* 10.22.86, 7.1.
33 *Ceti.* 11.28.86, 3.75; 12.20.86, 3.65. The estimates of this star give values for the magnitude ranging from 3.3 to 3.75, yet its brightness may explain the discordant results.
78 *Piscium.* 10.22.86, 6.9.
80 " 11.17.87, 7.5; 12.6.88, 7.4. Although the first observation of this red star, in 1882, agrees with the estimates of Gould, 7.0, subsequent numerous estimates have invariably found the star very faint 7.4 or 7.5 mag. This would imply variation?
81 *Piscium.* 12.6.88, 5.6. The estimates of this red star are discordant, ranging from 5.3 to 5.7.
82 *Piscium.* 10.22.86, 6.9.
62 *Sculptoris.* 12.2.88, 5.2.
36 *Ceti.* Variability established by Chandler in 1882 and confirmed by my observations. Max. 5.0. Min. 7.0. Period irregular. The character of the variation resembles that of *R Scuti.*
83 *Piscium.* There appears to be no star in the place of 83 *Piscium* brighter than 8^m, although the star was apparently observed in a sequence, on January 9, 1882, as 6.8. In the same R.A. occurs a star which was observed, inserted on the map, and designated 83 b *Piscium.* This star probably refers to 83, but the declination is $-5° 53'$, instead of $+5° 53'$.
84 *Piscium.* 10.22.86, 6.5.
85 " 12.6.88, 5.75.
86 " 12.6.88, 6.95.
87 " 12.5.87, 6.55.
70 *Sculptoris.* 12.2.88, 6.85.
44 *Ceti.* 11.7.88, 6.95.
45 " 11.7.88, 7.0; 12.4.88, 6.9.
50 " 11.7.88, 6.7.
90 *Piscium.* 12.21.86, 5.4; 11.17.87, 5.4; 12.6.88, 5.3.
.. *Ceti.* 10.25.86, 7.0. Not in U. A. DM. $-1°$, 60, 7.5.
77 *Sculptoris.* 12.2.88, 5.85.
52 *Ceti.* 11.12.87, 6.85.
55 " 11.12.87, 5.9; 11.7.88, 5.9.
59 " 2.1.89, 5.9.
60 " 11.7.88, 6.75.
61 " 11.21.86, 6.55; 11.28.86, 6.75; 12.20.86, 6.7; 12.25.86, 6.7; 11.12.87, 6.55; 12.4.88, 6.8. Difficult; no good comparison-stars near; observations vary from 6.55 to 7.1.
.. *Ceti.* 12.23.88, 6.8; 1.19.89, 6.8.
69 " 11.28.86, 7.25; 12.20.86, 7.4; 11.12.87, 7.5. Although this star is given as 7.0 by Gould, it has not been observed brighter than 7.25. The estimates range from 7.25 to 7.5, yet variability is not suspected.
70 *Ceti.* 11.27.86, 2.2.
73 " 12.2.88, 5.25.
75 " 12.20.86, 6.3; 11.7.88, 6.25.
77 " 12.2.88, 5.8.
94 *Piscium.* 2.1.89, 6.0.
79 *Ceti.* 11.17.87, 5.55; 12.2.88, 5.6.
96 *Piscium.* 12.6.88, 5.8.
87 *Sculptoris.* 12.22.88, 6.5.
80 *Ceti.* 12.2.88, 6.2.
81 " 11.7.88, 6.05.
82 " 11.18.86, 6.4; 11.21.86, 6.25; 11.28.86, 6.4; 12.20.86, 6.4.

85 *Ceti.* 12.4.88, 6.95.
98 *Piscium.* 1.13.87, 6.4; 11.17.87, 6.6; 2.6.88, 6.4; 12.6.88, 6.7; 2.1.89, 6.5. Estimates are quite discordant, and range from 6.25 to 6.7. Possibly variable?
88 *Ceti.* 12.2.88, 6.0.
89 " 12.6.88, 5.3.
90 " 12.2.88, 6.55.
97 " Out of position on chart.
99 " 11.7.88, 5.9.
100 " 12.4.88, 7.05.
101 " 11.17,87, 6.7; 12.2.88, 6.7.
97 *Sculptoris.* 12.4.88, 6.3.
103 *Ceti.* 12.4.88, 5.8.
104 " 12.20.86, 6.2; 11.17.87, 6.3.
107 *Piscium.* 11.17.87, 6.9; 12.4.88, 6.8; 2.1.89, 6.85.
110 *Ceti.* 11.28.86, 6.6; 12.20.86, 6.5; 12.25.86, 6.6; 12.4.88, 6.5. Six observations in 1886 and 1888 are fairly accordant, ranging only from 6.5 to 6.7; yet the star was estimated as bright as 6.2 on January 7, 1882. Gould, 6.3.
108 *Piscium.* 12.4.88, 6.9.
109 " 12.21.86, 5.55; 12.6.88, 5.65. Estimates range from 5.4 to 5.8.
111 *Ceti.* 11.19.86, 3.25; 11.21.86, 3.35; 11.26.86, 3.4; 11.27.86, 3.3. Always observed brighter than Gould.
110 *Piscium.* 12.4.88, 7.0.
112 *Ceti.* 11.28.86, 6.4; 11.12.87, 6.8; 12.22.88, 6.75; 2.1.89, 6.6. Observations are discordant, and range from 6.4 to 6.8.
113 *Ceti.* 11.28.86, 6.25; 12.4.88, 6.2.
111 *Piscium.* 12.4.88, 7.0. The four estimates show a slight progressive brightening from 7.2 to 7.0.
112 *Piscium.* 12.4.88, 6.6.
115 *Ceti.* 11.28.86, 6.55; 12.4.88, 6.6. Estimates vary from 6.4 to 6.7.
114 *Piscium.* 12.6.88, 6.1.
120 *Ceti.* 11.17.87, 6.65; 12.4.88, 6.5.
128 " 12.2.88, 6.25.
130 " 10.23.86, 6.7; 11.18.86, 6.9; 11.28.86, 6.9; 12.22.88, 6.8.
131 *Ceti.* 11.17.87, 6.65; 12.4.88, 6.5.
109 *Sculptoris.* 12.28.88, 6.2.
136 *Ceti.* 11.19.86, 3.5; 11.21.86, 3.5; 11.26.86, 3.5; 11.27.86, 3.4.
137 *Ceti.* 11.18.86, 5.75; 12.22.88, 6.0.
140 " 10.23.86, 6.5; 11.18.86, 6.5; 11.28.86, 6.6; 12.22.88, 6.5. Estimates in 1882–84 range from 6.4 to 6.8; but appear accordant in 1886–88.
116 *Piscium.* 12.24.88, 6.85.
142 *Ceti.* Numerous observations (33 in number), from 1882 to 1888, give very accordantly 6.65. Gould, variable 6.5 to 8.0. See A. J., No. 184.
143 *Ceti.* 12.2.88, 6.8.
117 *Piscium.* 11.17.87, 6.5; 12.24.88, 6.5.
145 *Ceti.* 11.26.86, 5.4; 12.22.88, 5.45.
112 *Sculptoris.* 12.28.88, 6.9.
147 *Ceti.* 12.23.89, 7.1; 1.21.90, 7.1.
149 " 11.27.86, 6.3; 12.2.88, 6.45.
119 *Piscium.* 12.24.88, 6.6.
... *Ceti.* 12.23.88, 7.0; 1.23.89, 7.0.
157 " 11.28.86, 5.2; 12.24.88, 5.0.
115 *Sculptoris.* 12.24.88, 6.7; 12.28.88, 6.7; 2.1.89, 6.45.
158 *Ceti.* 12.22.88, 6.8.
160 " 12.2.88, 7.5. This star has never been estimated brighter than .7.2. Numerous observations not given in detail invariably make the star 7.4 or 7.5. Marked var.? by Gould in Catalogue, but not in the notes.
118 *Sculptoris.* 12.28.88, 6.0.
165 *Ceti.* 11.26.86, 5.95.
167 " 12.22.88, 5.6; 2.1.89, 5.5.
122 *Piscium.* 12.24.88, 7.0.
169 *Ceti.* 12.22.88, 5.6.
121 *Sculptoris.* 12.28.88, 5.75.
170 *Ceti.* 12.2.88, 6.2.
171 " 12.20.86, 6.65; 11.17.87, 6.65; 12.24.88, 6.65. Two observations in 1884–86 discordant, 6.4 and 6.8; four observations since are very accordant.
172 *Ceti.* 11.28.86, 5.5; 12.24.88, 5.6.
124 *Sculptoris.* 11.9.87, 7.2; 12.28.88, 7.1. Generally seen below 7.0. Gould, 6.9, var.?
173 *Ceti.* 12.24.88, 6.85.
175 " 2.1.89, 5.2.
177 " 11.19.86, 3.15; 11.21.86, 3.25; 11.26.86, 3.2; 11.27.86, 3.2.
178 *Ceti.* 12.24.88, 6.3.
127 *Piscium.* 2.1.89, 4.45.
130 " 12.24.88, 6.85; 2.1.89, 6.75. Estimates discordant, 6.5 to 6.85.
131 *Piscium.* 12.24.88, 6.2.
183 *Ceti.* 12.24.88, 6.9.
185 " 11.19.86, 3.7; 11.21.86, 3.7; 11.26.86, 3.7; 11.27.86, 3.5; 12.22.88, 3.7. Estimates range from 3.5 to 3.9.
133 *Piscium.* 1.29.89, 6.85. Gould, var.?
189 *Ceti.* 1.29.89, 6.0.
190 " 12.28.88, 5.1.
191 " 2.1.89, 6.55.
192 " 11.21.86, 6.4; 11.26.86, 6.35.
134 *Piscium.* 1.29.89, 6.85.
195 *Ceti.* 12.22.88, 6.8.
135 *Piscium.* 12.24.88, 5.95; 1.29.89, 6.15. Gould, var.?
... *Ceti.* 12.24.88, 6.7.
198 " 12.24.88, 5.55.
... " 12.23.89, 7.3.
136 *Piscium.* 1.29.89, 7.05.
137 " 12.25.88, 3.6.
12 *Fornacis.* 12.28.88, 5.55.

199 *Ceti.* 11.21.86, 6.8; 11.26.86, 6.75.
200 " 11.12.87, 7.0.
201 " 11.21.86, 5.45; 11.26.86, 5.45.
202 " 12.24.88, 6.2; 2.1.89, 6.0.
14 *Fornacis.* 12.28.88, 6.45.
203 *Ceti.* 11.21.86, 5.85; 11.26.86, 5.8.
204 " 11.21.86, 6.2; 11.26.86, 6.2; 11.28.86, 5.95.
138 *Piscium.* 1.29.89, 6.5.
139 " 1.29.89, 6.85.
140 " 1.29.89, 6.6; 3.1.89, 6.8.
206 *Ceti.* 2.1.89, 6.6.
207 " 11.21.86, 6.6; 11.26.86, 6.55; 11.28.86, 6.45; 12.25.86, 6.5.
210 *Ceti.* 11.21.86, 6.65; 11.26.86, 6.9; 11.28.86, 6.8.
16 *Fornacis.* 12.28.88, 7.0.
213 *Ceti.* 11.27.86, 6.55.
18 *Fornacis.* 12.12.87, 6.45.
215 *Ceti.* 12.13.87, 5.6; 12.25.88, 5.5. This star has apparently brightened from 5.95 in 1882, to 5.5 in 1888; yet this may be due to the difficulty experienced in observing the star, there being no good comparison-stars near.
217 *Ceti.* 1.29.89, 6.7.
218 " 11.26.86, 6.0.
... " 12.25.88, 7.4. The observations are very discordant, ranging from 7.0 to 7.4. It however lies close to a bright star, and is very difficult to observe.
223 *Ceti.* 12.12.87, 4.7; 12.25.88, 4.6. The observations from 1882 to 1887 show a slight progressive decrease in brightness from 4.4 to 4.7. Gould, 4.3.
224 *Ceti.* 11.21.86, 5.6; 11.26.86, 5.5; 12.25.88, 5.5.
225 " 1.29.89, 6.9.
227 " 12.12.87, 6.7; 12.25.88, 6.65.
228 " 12.12.87, 6.7.
229 " 12.25.88, 6.35.
234 " 11.24.86, 6.55.
22 *Fornacis.* 12.28.88, 6.4.
236 *Ceti.* 11.26.86, 6.0; 12.24.88, 6.1.
237 " 11.26.86, 5.6; 11.28.86, 5.5; 12.25.86, 5.6; 12.24.88, 5.8. Observations discordant, and range from 5.5 to 5.95.
242 *Ceti.* 11.24.86, 7.1; 1.25.89, 7.1; 2.25.89, 7.1. This star has always been observed below 7.0.
244 *Ceti.* 11.24.86, 6.8.
245 " 11.24.86, 6.65; 12.25.86, 6.6; 12.24.88, 6.6.
246 " 12.12.87, 6.85.
249 " 2.13.88, 6.7; 12.25.88, 6.55.
251 " 11.24.86, 4.2; 12.20.86, 4.15; 12.12.87, 4.3; 12.25.88, 4.35.
252 *Ceti.* 12.25.86, 6.8; 12.12.87, 7.1; 2.6.88, 6.75; 2.13.88, 6.85; 12.25.88, 6.9; 1.29.89, 6.8. Estimates very discordant, and range from 6.5 to 7.1. Will bear further watching.
253 *Ceti.* 12.13.87, 7.05; 12.24.88, 7.0.
254 *Ceti.* 12.20.86, 6.3; 12.25.86, 6.25; 12.12.87, 6.4; 12.25.88, 6.35. While the observations of this star are generally accordant, within the limits 6.2 to 6.4, it was once estimated as 6.8.
256 *Ceti.* 11.26.86, 6.4; 12.25.86, 6.1; 12.27.86, 6.3; 12.13.87, 6.35; 12.24.88, 6.45. Estimates discordant, and range from 6.1 to 6.5.
259 *Ceti.* 11.28.86, 5.95; 12.20.86, 6.1; 12.25.86, 5.9; 12.27.86, 6.1; 12.13.87, 5.95; 12.24.88, 5.8; 1.29.89, 5.8. Observations generally accordant, but once estimated as 5.3.
... *Ceti.* 1.16.88, 6.9. Not in U.A. DM. +0°, 415, 7.5.
260 " 11.26.86, 5.75; 12.24.88, 5.8.
... " Discovered by me to be variable in 1885, period 233 d. Attains the magnitude 6.8 at maximum, and is No. 893 in Dr. Chandler's Catalogue.
34 *Fornacis.* 12.12.87, 5.0; 12.28.88, 4.9. Difficult, no good comparison-stars near.
264 *Ceti.* 12.13.87, 6.35; 1.29.89, 6.3.
265 " 11.26.86, 5.8; 11.28.86, 5.8; 12.20.86, 5.8; 12.25.86, 5.7. Generally observed between the limits 5.6 to 5.8, but once estimated as 6.1.
267 *Ceti.* 11.24.86, 7.0; 11.26.86, 6.9.
270 " 11.28.86, 5.05; 12.24.88, 5.1; 12.25.88, 5.3. Estimates range from 4.9 to 5.3.
... *Ceti.* 1.16.88, 7.05. SDM. 15°, 458, 7.0.
271 " 11.26.86, 5.45; 12.12.87, 5.6; 12.24.88, 5.55. Estimates range from 5.45 to 5.8.
272 *Ceti.* 12.20.86, 6.1; 12.25.86, 6.15; 12.13.87, 6.15; 1.29.89, 6.1. While Gould has the magnitude of this star as 5.6, it has never been observed brighter than 6.05 at Cambridge. The extreme range is from 6.05 to 6.3, while the mean of seven observations is 6.1. Differences of half a magnitude between Gould's estimates and mine are rare. Variable?
274 *Ceti.* 12.24.88, 6.95.
276 " 1.29.89, 6.3.
277 " 11.24.86, 6.15; 11.26.86, 6.0; 12.25.86, 6.3; 12.24.88, 5.95. Estimates range from 5.7 to 6.3. Variable?
280 *Ceti.* 2.1.89, 7.0.
281 " 12.24.88, 6.95.
282 " 12.27.86, 6.8; 12.12.87, 6.75; 12.24.88, 6.65; 1.29.89, 6.6. Estimates range from 6.6 to 7.0.
283 *Ceti.* 12.25.88, 3.9.
284 " 11.28.86, 4.6; 12.27.86, 4.85.
285 " 12.25.86, 6.35; 1.29.89, 6.25.
286 " 11.26.86, 5.5; 11.28.86, 5.5; 12.27.86, 5.65; 12.12.87, 5.5; 12.24.88, 5.5; 12.25.88, 5.5. Estimates range from 5.35 to 5.7.
288 *Ceti.* 11.26.86, 6.3; 12.24.88, 6.1. While four estimates range only from 6.1 to 6.3, the star was estimated as bright as 5.9 on February 15, 1882.
289 *Ceti.* 11.24.86, 6.45; 11.26.86, 6.5.

290 *Ceti.* 1.29.89, 6.2.
291–2 " 12.25.88, 3.15.
293 " 11.24.86, 6.9; 11.26.86, 6.9; 12.24.88, 6.85.
295 " 11.28.86, 4.45; 12.25.88, 4.45. Once estimated as faint as 4.7.
296 *Ceti.* 11.21.86, 3.95; 11.26.86, 3.95; 12.24.88, 4.0.
297 " 12.25.86, 6.0; 12.27.86, 6.3; 12.25.88, 6.0. Estimates discordant, and range from 6.0 to 6.5.
298 *Ceti.* 12.25.88, 7.0.
299 " 11.16.88, 7.05; 12.25.88, 6.9. Estimates range from 6.85 to 7.2.
28 *Eridani.* 11.16.88, 7.2; 12.25.88, 7.2; 1.25 90, 7.1; 2.25.90, 7.1. Always seen fainter than 7.0.
50 *Fornacis.* 12.28.88, 6.3. Estimates range from 6.3 to 6.6.
33 *Eridani.* 11.26.86, 6.5; 12.28.88, 6.4
301 *Ceti.* 1.16.88, 6.9; 12.25.88, 6.9.
37 *Eridani.* 12.21.86, 6.8; 12.28.88, 6.95. Estimates range from 6.6 to 6.95.
302 *Ceti.* 1.16.88, 6.85; 12.25.88, 6.7.
303 " 12.25.88, 7.0.
304 " 1.16.88, 6.65; 12.25.88, 6.7.
39 *Eridani.* 2.22.86, 4.0; 2.23.86, 3.9; 11.18.86, 3.65; 11.26.86, 4.05; 11.27.86, 3.7; 12.28.88, 4.1. Estimates range from 3.65 to 4.1.
40 *Eridani.* 12.28.88, 5.1.
306 *Ceti.* 12.25.88, 6.7.
307 " 12.25.88, 6.7.
41 *Eridani.* 11.19.86, 5.7; 12.28.88, 5.6.
61 *Fornacis.* 1.18.87, 6.35.
45 *Eridani.* 12.28.88, 6.3.
308 *Ceti.* 12.25.88, 4.75.
46 *Eridani.* 12.21.86, 5.5; 1.16.88, 5.5; 12.28.88, 5.6. Generally observed as 5.5 or 5.6; but once estimated as faint as 5.9.
47 *Eridani.* 12.28.88, 6.95.
63 *Fornacis.* 1.18.87, 6.3.
51 *Eridani.* 12.21.86, 6.85; 12.25.86, 6 95; 12.12.87, 6.9; 12.28.88, 6.95. Six observations give values ranging only from 6.8 to 6.95; but once estimated as bright as 6.45.
52 *Eridani.* 11.26.86, 6.1; 12.21.86, 6.2; 12.28.88, 5.95. Observations somewhat discordant, and range from 5.95 to 6.3.
310 *Ceti.* 12.25.88, 2.6.
311 " 3.1.89, 6.15. This star shows a progressive brightening from 6.5 to 6.15, and should be further observed.
53 *Eridani.* 12.12.87, 6.0; 12.28.88, 6.1.
68 *Fornacis.* 1.16.87, 6.05; 1.18.87, 6.0; 12.28.88, 6.15.
55 *Eridani.* 11.26.86, 5.7; 12.28.88, 5.7.
56 " 11.26.86, 3.9; 12.25.88, 4.1.
... *Ceti.* 12.25.88, 7.2.
57 *Eridani.* 11.26.86, 5.2; 12.21.86, 5.4; 12.25.86, 5.4; 12.12.87, 5.35; 12.28.88, 5.4. Observations discordant, and range from 5.1 to 5.6.
59 *Eridani.* 12.28.88, 6.95.
62 " 12.28.88, 6.95.
314 *Ceti.* 3.1.89, 6.7.
69 *Fornacis.* 1.16.87, 6.05; 1.18.87, 6.1; 12.28.88, 6.1.
67 *Eridani.* 1.16.87, 6.5.
74 *Fornacis.* 1.18.87, 6.45.
76 " 1.18.87, 6.45.
78 " 1.18.87, 6.3.
73 *Eridani.* 2.24.86, 4.6; 11.26.86, 4.6; 12.21.86, 4.4; 1.16.87, 4.7; 12.28.88, 4.8. Estimates range from 4.4 to 5.1.
74 *Eridani.* 1.18.87, 6.3; 12.28.88, 6.0; 3.1.89, 6.35. Estimates range from 6.0 to 6.55. Should be further watched.
76 *Eridani.* 2.3.88, 7.3; 12.28.88, 6.95; 3.1.89, 7.25; 3.23.89, 7.3. Observations discordant, and range from 6.95 to 7.3. Var.?
318 *Ceti.* 12.27.86, 5.6; 12.28.88, 5.6. Four observations accordantly 5.6, but once observed as 5.9.
319 *Ceti.* 12.28.88, 5.1; 3.1.89, 5.0. Difficult, no good comparison-stars near.
82 *Fornacis.* 1.18.87, 6.0; 12.28.88, 6.1.
79 *Eridani.* 2.24.86, 5.2; 11.26.86, 5.15.
320 *Ceti.* 2.3.88, 7.15; 2.6.88, 7.15; 12.28.88, 6.9. Estimates range from 6.85 to 7.15.
81 *Eridani.* 11.18.86, 3.8; 11.19.86, 3.6; 11.26.86, 3.95; 1.18.87, 4.15; 1.27.87, 3.85; 2.3.88, 3.9; 12.25.88, 3.8. Our numerous observations range from 3.6 to 4.15, the average being 3.8, or nearly half a magnitude fainter than the U. A. estimates. Variable?
321 *Ceti.* 12.20.86, 6.2; 12.28.88, 6.1.
85 *Fornacis.* 1.18.87, 6.9.
86 " 1.18.87, 6.6; 12.28.88, 6.6.
84 *Eridani.* 3.1.89, 6.7.
87 *Fornacis.* 1.18.87, 6.4.
86 *Eridani.* 12.21.86, 6.35; 1.16.87, 6.7; 1.18.87, 6.5; 12.25.88, 6.3. Estimates quite discordant, and range from 6.3 to 6.8. A difficult star to observe, the comparison-stars not being well situated.
87 *Eridani.* 1.16.87, 6.85.
88 " 3.1.89, 6.85.
90 *Fornacis.* 1.18.87, 6.1.
91 *Eridani.* 12.25.88, 6.15.
93 " 12.25.86, 6.15; 1.18.87, 6.4; 1.27.87, 6.5; 2.12.87, 6.5; 2.3.88, 6.3; 12.25.88, 6.25. Estimates range from 6.15 to 6.5, and exhibit a progressive increase and decrease in brightness. Variable?
94 *Eridani.* 3.1.89, 5.65.
98 " 1.27.87, 7.0; 12.25.88, 6.95.
97 " 2.24.86, 4.8.
7 *Tauri.* 2.3.88, 6.65; 12.25.88, 6.5.
8 " 1.29.89, 6.0.
94 *Fornacis.* 12.28.88, 6.25.

101 *Eridani.* 2.23.86, 3.5; 11.26.86, 3.6.
102 " 2.3.88, 6.9; 12.25.88, 7.0. This star appears to be slightly out of position, both in the Catalogue and on the chart.
... *Eridani.* 2.3.88, 6.95; 1.3.90, 7.0; 1.29.90, 7.0. Not in Gould's U. A. SDM. 7°, 624 and 625, 7.7 and 8.2.
103 *Eridani.* 11.18.86, 3.9; 11.19.86, 4.0; 11.26.86, 3.95; 1.18.87, 4.05; 2.3.88, 4.05; 12.25.88, 4.05. Our nine estimates of this star make it more than half a magnitude brighter than the Cordoba estimates.
104 *Eridani.* 12.25.88, 6.5.
97 *Fornacis.* 12.28.88, 6.5.
105 *Eridani.* 1.18.87, 6.9; 12.25.88, 6.75.
106 " 12.25.88, 5.9.
10 *Tauri.* 2.3.88, 6.65; 12.25.88, 6.5. Estimates range from 6.3 to 6.65.
11 *Tauri.* 11.27.86, 4.4.
107 *Eridani.* 2.24.86, 5.2.
... *Tauri.* 12.28.88, 7.5. Estimates range from 7.15 to 7.55.
109 *Eridani.* 12.25.86, 6.1; 1.18.87, 6.15; 2.3.88, 6.1; 12.25.88, 6.15. Observations generally very accordant 6.1 or 6.15; but observed once each in 1885 as 5.8 and 6.45.
12 *Tauri.* Always seen fainter than 7.0.
111 *Eridani.* 3.1.89, 6.35.
112 " 1.18.87, 6.7; 2.3.88, 6.55; 12.28.88, 6.7. Estimates range from 6.55 to 6 9.
... *Eridani.* 2.3.88, 6.95; 1.3.90, 7.0; 1.23.90, 6.9. Not in U. A. SDM. 7°, 654, 7.0.
15 *Tauri.* 2.6.88, 7.0.
... *Eridani.* 1.3.90, 7.1; 1.23.90, 7.0. Not in U. A. SDM. 17°, 707, 6.8.
114 *Eridani.* 12.25.88, 6.55.
... " 2.3.88, 6.95. Not in U. A. Gould's Gen. Cat. 4029, 7¼; SDM. 3°, 592, 7.2.
115 *Eridani.* 1.18.87, 5.65; 2.3.88, 5 65; 12.25.89, 5.8. Estimates range from 5.6 to 6.0.
117 *Eridani.* 3.1.89, 6.55.
119 " 12.25.88, 6.5.
120 " 12.25.88, 6.8.
102 *Fornacis.* 12.28.88, 6.9; 3.1.89, 6.9. A progressive fading from 6.6 to 6.9 apparently shown.
121 *Eridani.* 2.23.86, 3.3; 11.26.86, 3.2.
122 " 3.1.89, 5.95.
123 " 11.27.86, 5.5; 12.25.86, 5.4.
125 " 2.13.87, 6.15; 12.25.88, 6.1.
16 *Tauri.* 2.6.88, 6.8; 1.29.89, 6.9. Generally observed as 6.8 or 6.9; but once estimated as bright as 6.5.
127 *Eridani.* 2.24.86, 4.9; 11.26.86, 4.9; 1.16.87, 5.0; 2.3.88, 5.0. Usually observed as 4.9 or 5.0; but once estimated as 4.5.
128 *Eridani.* 2.24.86, 4.25; 11.18.86, 4.1; 11.19.86, 4.2; 11.26.86, 4.1; 12.25.88, 4.05. Generally observed fainter than 4.0; but once estimated as bright as 3.6.
129 *Eridani.* 2.13.87, 6.35; 12.25.88, 6.3.
130 " 2.24.86, 5.5; 11.19.86, 5.3; 11.26.86, 5.45. Estimates range from 5.1 to 5.6.
107 *Fornacis.* 12.28.88, 7.1. Always seen below 7.0.
131 *Eridani.* 1.18.87, 6.8; 2.6.88, 6.85; 12.25.88, 6.85. Five observations give very accordantly 6.8 or 6.85; but once estimated as 6.4.
132 *Eridani.* 3.1.89, 6.35.
134 " 1.18.87, 6.65; 1.27.87, 6.6; 2.6.88, 6.6; 12.25.88, 6.75. Estimates range from 6.4 to 6.75; but always seen brighter than at Cordoba.
139 *Eridani.* 1.27.87, 6.75; 2.6.88, 6.9; 12.25.88, 6.9. Never seen brighter than 6.6. At Cordoba 6.2.
140 *Eridani.* 12.25.86, 6.65; 2.6.88, 6.8; 12.25.88, 7.0. Estimates range from 6.6 to 7.0. The discordant results obtained in the observations of the group embracing the stars 131, 134, 139, and 140 *Eridani*, may possibly be explained if we infer one or more of these stars to vary. Further observations are desirable.
144 *Eridani.* 12.25.88, 5.7.
145 " 1.18.87, 6.7; 12.25.88, 6.65. Estimates range from 6 4 to 6.7.
148 *Eridani.* 11.27.86, 4.8.
149 " 2.24.86, 4.65; 11.18.86, 4.3; 11.19.86, 4.5; 11.26.86, 4.7; 12.25.88, 4.3. Observations discordant, and range from 4.3 to 4.7.
150 *Eridani.* 12.25.88, 6.75.
152 " 1.27.87, 6.25; 12.25.88, 6.2.
154 " 2.12.87, 6.55; 12.25.88, 6.5.
155 " 12.25.88, 6.35.
158 " 2.23.86, 2.8; 11.26.86, 2.7.
159 " 12.25.88, 6.25.
160 " 2.3.88, 6.1; 12.25.88, 6.05.
161 " 2.24.86, 4.4; 11.18.86, 4.4; 11.19.86, 4.6; 11.26.86, 4.4; 12.25.88, 4.3. Estimates range from 4.1 to 4.6.
162 *Eridani.* 11.27.86, 5.2.
164 " 11.27.86, 5.7.
166-7 " 12.25.88, 6.0; 3.1.89, 6.0.
172 " 12.25.88, 6.5.
174 " 2.6.88, 5.85.
176 " 12.25.88, 6.85.
177 " 2.6.88, 6.95; 12.25.88, 6.95.
178 " 12.25.88, 6.95.
179 " 1.18.87, 7.05; 2.6.88, 7.0; 1.29.89, 7.0.
181 " 2.6.88, 5.45.
182 " 3.1.89, 7.15; 3.23.89, 7.2; 1.23.90, 7.2. This star has apparently faded from 6.95 to 7.2.
183 *Eridani.* 12.27.86, 5.9; 2.6.88, 5.85.
184 " 2.6.88, 6.1.
185 " 1.27.87, 4.0; 2.6.88, 4.0. Estimates range from 4.0 to 4.4.

187 *Eridani.* 2.6.88, 5.8.
189 " 12.25.88, 6.7.
191 " 1.29.89, 6.7.
192 " 1.29.89, 6.65.
194 " 1.18.87, 5.35; 1.27.87, 5.15; 2.6.88, 5.05; 1.29.89, 5.1. Estimates range from 4.95 to 5.4.
195 *Eridani.* 2.6.88, 7.1; 12.25.88, 6.95.
197 " 1.29.89, 4.55.
199 " 1.29.89, 6.65.
200 " 1.29.89, 6.9.
202 " 1.18.87, 6.45; 2.6.88, 6.5.
203 " 2.6.88, 6.5; 1.29.89, 6.4. This star has apparently diminished in brightness from 6.2 to 6.5.
205 *Eridani.* 2.6.88, 6.25. Generally seen as 6.25 or 6.3; but once estimated as 6.0.
208 *Eridani.* 2.6.88, 6.85; 12.25.88, 6.75.
209 " 2.6.88, 6.6.
210 " 2.6.88, 6.1.
211 " 2.6.88, 6.3; 2.13.88, 6.35.
213 " 1.27.87, 6.5; 2.12.87, 6.6; 2.6.88, 6.7; 1.29.89, 6.65. Estimates vary from 6.5 to 6.85.
214 *Eridani.* 2.25.87, 6.15; 2.6.88, 6.15; 1.29.89, 6.2. Five observations are quite accordant 6.15 and 6.2; but once observed as 5.85.
216 *Eridani.* 2.12.87, 6.35; 2.6.88, 6.25; 1.29.89, 6.4. Five observations range only from 6.25 to 6.4, yet it was estimated as bright as 6.0, March 14, 1882.
221 *Eridani.* 2.12.87, 7.2; 2.6.88, 7.05. Generally observed below 7.0.
222 *Eridani.* 2.25.87, 6.3; 2.6.88, 6.25; 1.29.89, 6.2. Once observed as bright as 5.85; generally 6.2 or 6.3.
225 *Eridani.* 2.6.88, 6.8; 1.29.89, 6.95. Although usually observed as 6.8 or 6.9, it was once estimated as faint as 7.15.
228 *Eridani.* 1.27.87, 5.5; 2.6.88, 5.6.
230 " 2.12.87, 6.9; 2.6.88, 6.8; 1.29.89, 6.85. Estimates range from 6.75 to 7.15.
231 *Eridani.* 2.6.88, 5.5.
235 " 2.1.89, 7.2. The light has apparently faded since 1882, as the estimates progressively diminish from 6.9 to 7.2.
236 *Eridani.* 2.6.88, 6.1; 2.1.89, 6.3. Estimates range from 6.1 to 6.45.
239 *Eridani.* 1.27.87, 5.7; 2.25.87, 5.8; 2.6.88, 5.95. Estimates discordant, and range from 5.6 to 6.0.
240 *Eridani.* 2.25.87, 6.35; 2.6.88, 6.4. Estimates range from 6.2 to 6.55.
241 *Eridani.* 1.27.87, 5.5; 2.6.88, 5.45.
242 " 1.27.87, 5.5.
245 " 2.6.88, 6.4.
246 " 2.6.88, 6.7; 1.29.89, 6.75.
247 " 2.6.88, 6.5.
249 " 2.25.87, 6.85; 2.6.88, 6.9; 1.29.89, 6.85. While five observations give accordantly 6.85 or 6.9, it was estimated once as 7.15.
250 *Eridani.* 2.28.86, 3.9.
... " This star, although not given in the U. A. Catalogue, is inserted on the chart. Probably refers to the pair 5220 and 5221 of the General Catalogue.
253 *Eridani.* 2.6.88, 6.5.
255 " 2.6.88, 5.25.
256 " 2.9.88, 6.5.
257 " 2.9.88, 5.75.
258 " 2.25.87, 5.8; 2.6.88, 5.85; 1.29.89, 5.75.
259 " 2.9.88, 5.05; 2.1.89, 4.5; 3.1.89, 4.9. The estimates of this red star are very discordant, and range from 4.5 to 5.1. The scarcity of good comparison-stars, together with its strong color, renders observations exceedingly difficult.
262 *Eridani.* 2.25.87, 6.2; 2.9.88, 6.3; 2.13.88, 6.25; 2.1.89, 6.2. While six observations in 1887 and 1889 range only from 6.2 to 6.4, the star was estimated as faint as 6.9, March 3, 1882.
263 *Eridani.* 2.25.87, 5.85; 2.9.88, 6.25; 2.13.88, 5.9. Estimates very discordant for this red star, and range from 5.85 to 6.5. Var.?
264 *Eridani.* 2.9.88, 5.4; 2.13.88, 5.45; 2.1.89, 5.5. Estimates range from 5.4 to 5.8.
266 *Eridani.* 2.28.86, 3.9; 2.14.87, 4.05.
1 *Orionis.* 2.6.88, 6.8; 2.2.89, 6.8. Difficult to observe as it lies close to a bright star.
269 *Eridani.* 2.9.88, 5.9; 2.13.88, 5.8; 2.1.89, 5.8. Estimates range from 5.4 to 5.9.
270 *Eridani.* 1.27.87, 6.3; 2.9.88, 6.2.
271 " 2.9.88, 6.0.
16 *Cœli.* 2.6.88, 6.65.
273 *Eridani.* 2.1.89, 7.1.
274 " 2.25.87, 5.4; 2.13.88, 5.3; 2.1.89, 5.35. Estimates range from 4.95 to 5.4. Gould, var.?
275 *Eridani.* 2.13.88, 7.1; 2.1.89, 7.1. Always observed fainter than 7.0. Estimates range from 7.1 to 7.3.
276 *Eridani.* 2.28.86, 4.9; 1.27.87, 4.6; 2.25.87, 4.8; 2.1.89, 4.75. Estimates discordant, and range from 4.3 to 4.9.
278 *Eridani.* 2.25.87, 6.2; 2.9.88, 6.2.
279 " 2.12.87, 6.15; 2.9.88, 6.15.
280 " 2.1.89, 5.95.
1 *Leporis.* 2.24.87, 6.5; 2.6.88, 6.75; 2.1.89, 6.75. Once observed as faint as 7.15.
20 *Orionis.* 2.1.89, 6.6.
3 *Leporis.* 2.19.87, 5.95.
282 *Eridani.* 2.1.89, 6.0.
283 " 1.27.87, 5.25; 2.12.87, 5.25; 2.6.88, 5.25.
25 *Orionis.* 2.1.89, 6.6.
284 *Eridani.* 2.13.88, 6.8; 2.1.89, 6.8.
26 *Orionis.* 3.23.89, 6.9.
285 *Eridani.* 2.13.88, 5.15.
286 " 2.12.87, 7.0.
5 *Leporis.* 2.12.87, 5.3; 2.19.87, 5.1; 2.6.88, 5.2.
6 " 2.12.87, 5.6; 2.19.87, 5.6; 2.24.87, 5.6; 2.6.88,

5.65; 2.1.89, 5.45. This star has apparently faded from 5.1 in 1882 to 5.65 in 1888.

9 *Leporis.* 2.6.88, 6.95.

31 *Orionis.* 1.27.87, 6.5; 2.1.89, 6.45.

11 *Leporis.* 2.1.89, 7.3. Observations apparently show a progressive fading from 7.05 in 1882 to 7.3 in 1889.

12 *Leporis.* 2.24.86, 3.4; 2.28.86, 3.35; 11.26.86, 3.3; 2.2.88, 3.5; 2.13.88, 3.4.

288 *Eridani.* 2.6.88, 5.55.

14 *Leporis.* 2.2.89, 6.2.

289 *Eridani.* 2.13.88, 7.0.

15 *Leporis.* 3.1.89, 6.85; 3.22.89, 6.75.

18 " 2.13.88, 7.15. Always seen fainter than 7.0.

292 *Eridani.* 2.25.87, 5.8; 2.6.88, 5.75. Generally seen as 5.7 or 5.8, but once estimated as bright as 5.45.

293 *Eridani.* 2.24.86, 3.85; 2.28.86, 4.25; 3.7.86, 4.3; 1.27.87, 4.25; 2.12.87, 4.35 · 2.25.87, 4.35; 2.6.88, 4.55. A difficult star to observe; estimates range from 3.85 to 4.8.

. . . *Leporis.* 2.2.89, 7.25.

42 *Orionis.* 2.1.89, 6.35.

20 *Leporis.* 2.13.88, 6.4; 2.2.89, 6.3. Estimates range from 6.0 to 6.4.

22 *Leporis.* 2.13.88, 6.5.

21 " 2.28.86, 4.5.

23 " 2.24.86, 3.1; 2.28.86, 3.15; 11.26.86, 3.1.

24 " 2.24.86, 4.55; 2.28.86, 4.25; 2.19.87, 4.3.

27 " 1.14.90, 6.9; 2.9.90, 6.9.

28 " 2.12.87, 5.25; 2.19.87, 5.15; 2.13.88, 5.2. Estimates range from 5.1 to 5.55.

33 *Leporis.* 3.1.89, 6.05.

34 " 2.2.89, 6.25.

35 " 2.2.89, 5.9.

36 " 2.24.86, 4.25; 2.28.86, 4.15; 2.19.87, 4.2. The observations are fairly accordant considering the brightness of the star, ranging only from 4.1 to 4.5, but generally 4.2.

37 *Leporis.* 2.28.86, 6.0.

12 *Columbæ.* 2.12.87, 6.0.

38 *Leporis.* 2.19.87, 5.0.

61 *Orionis.* 2.1.89, 5.2.

39 *Leporis.* 2.2.89, 6.9.

40 " 2.2.89, 6.85.

64 *Orionis.* 2.13.88, 6.2.

66 " 2.13.88, 6.95.

43 *Leporis.* 2.28.86, 5.8; 2.19.87, 5.5.

68 *Orionis.* 2.14.87, 4.65.

70 " 3.22.89, 3.4.

46 *Leporis.* 2.2.89, 6.85; 1.14.90, 7.0; 2.9.90, 7.0.

75 *Orionis.* 3.24.89, 6.5.

51 *Leporis.* 2.24.86, 2.95; 2.28.86, 2.9; 11.26.86, 3.05.

79 *Orionis.* 2.13.88, 6.6.

80 " 3.24.89, 6.9.

81 " 2.14.87, 5.7; 2.22.87, 5.7; 2.13.88, 5.7; 2.1.89, 5.75; 3.2.89, 6.0; 3.22.89, 5.65. Observations rather discordant, and range from 5.3 to 6.0. If, however, we exclude the two extreme observations 5.3 and 6.0, made in the years 1882 and 1889 respectively, the other seven estimates are quite accordant ranging only from 5.65 to 5.9. Further observations desirable.

87 *Orionis.* 3.24.89, 6.9.

53 *Leporis.* 2.13.88, 6.0; 2.2.89, 5.95.

90 *Orionis.* 2.22.87, 7.05; 2.13.88, 7.0; 3.4.88, 7.0; 2.1.89, 6.9; 3.23.89, 6.8; 3.24.89, 6.9. This red star has generally been observed as 6.9 or 7.0; but once recorded as 6.65.

91 *Orionis.* 3.24.89, 5.95.

92 " 2.13.88, 6.35; 3.23.89, 6.3; 3.24.89, 6.2.

54 *Leporis.* 2.24.86, 2.65; 2.28.86, 2.65; 11.26.86, 2.9; 2.19.87, 2.8. Estimates of this bright star range from 2.4 to 2.9.

93 *Orionis.* 2.22.87, 6.65; 4.13.87, 6.65; 2.13.88, 6.75; 3.23.89, 6.8; 3.24.89, 6.85. Estimates range from 6.65 to 7.0.

96 *Orionis.* 3.24.89, 6.8.

100 " 2.13.88, 7.05; 3.23.89, 6.95. This red star has apparently brightened from 7.35 in 1882 to 6.95 in 1889. It will bear further watching. Now, 1890, 7.2.

102–3 *Orionis.* No estimations of brightness have been attempted for this excessively difficult pair.

. . . *Orionis.* 2.13.88, 7.05; 3.23.89, 6.95.

109 " 2.14.87, 5.45; 2,13.88, 5.5.

105 " 2.22.87, 5.7; 2.13.88, 5.55. Always seen fainter than at Cordoba by .3 or .4 of a magnitude.

108 *Orionis.* 3.30.89, 3.1. Very difficult to observe.

111 " 3.2.89, 6.9; 3.22.89, 6.75; 3.23.89, 6.75; 3.24.89, 6.65. Gould, var.? My numerous observations furnish no evidence of change. See A. J., No. 184.

112 *Orionis.* 2.23.89, 1.9.

115 " 2.13.88, 6.6; 3.23.89, 6.6.

117 " 2.22.87, 6.65.

120 " 3.13.87, 6.45; 3.26.87, 6.45; 2.13.88, 6.4. Five observations in 1887 and 1888 give accordantly 6.4 or 6.45; but the star was once estimated as bright as 6.0 in 1882.

122 *Orionis.* 2.13.88, 5.25.

34 *Columbæ.* 2.13.88, 5.55; 2.2.89, 5.45. Estimates rather discordant, and range from 5.4 to 5.8. Comparison-stars not well situated.

123 *Orionis.* 2.13.88, 6.6; 3.24.89, 6.5.

126 " 2.14.87, 1.8.

127 " 2.14.87, 5.45; 2.22.87, 5.6; 3.13.87, 5.5; 2.13.88, 5.6; 3.22.89, 5.75. The observations are fairly accordant if we exclude two made in the years 1882 and 1886 of 6.0 and 5.3 respectively.

129 *Orionis.* 2.13.88, 6.6; 3.23.89, 6.5.

59 *Leporis.* 2.13.88, 6.5.

60 " 2.13.88, 6.7.

134 *Orionis.* 2.22.87, 6.45; 3.13.87, 6.45; 3.26.87, 6.45; 2.13.88, 6.4; 3.23.89, 6.65. Seven observations range only from 6.4 to 6.65; yet it was once estimated as bright as 6.0 in 1882.

61 *Leporis.* 2.2.89, 6.4.

64 " 2.24.86, 3.6; 2.28.86, 3.6; 11.26.86, 3.45; 2.13.88, 3.55. Difficult to observe; estimates range from 3.4 to 3.8.

136 *Orionis.* 3.23.89, 6.8.

66 *Leporis.* 2.24.87, 3,6; 2.13.88, 3.45.

67 " 2.2.89, 6.65.

141 *Orionis.* 2.13.88, 2.2.

... " 3.23.89, 7.3. Estimates for this pair vary from 6.9 to 7.3.

142 *Orionis.* 3.23.89, 6.45.

146 " 2.22.87, 5.85; 2.13.88, 5.9. Four observations fairly accordant 5.8 to 5.95; but once observed in 1882 as faint as 6.2.

71 *Leporis.* 2.24.86, 3.9; 2.28.86, 4.05; 11.26.86, 3.6; 2.19.87, 4.1; 2.22.87, 4.05; 2.13.88, 4.05. The nine estimates are very discordant and range from 3.6 to 4.1.

... *Leporis.* 2.9.90, 7.2.

54 *Columbæ.* 2.2.89, 6.75.

153 *Orionis.* 3.23.89, 7.45.

154 " 2.25.87, 6.0; 3.13.87, 6.05; 3.23.89, 6.05. Estimates range from 5.75 to 6.25.

... *Orionis.* 3.13.87, 6.6; 2.13.88, 6.6; 3.23.89, 6.45. Once observed as faint as 7.0.

76 *Leporis.* 2.24.87, 3.8; 2.13.88, 3.65. Difficult to observe; estimates range from 3.5 to 4.1.

77 *Leporis.* 3.23.89, 7.0.

79 " 2.13.88, 6.65.

157 *Orionis.* 2.22.87, 6.75; 2.13.88, 6.75. Estimates range from 6.4 to 6.8.

80 *Leporis.* 2.2.89, 6.85.

1 *Monocerotis.* Although observed as 7.0 and 6.9 in 1882 and 1887 respectively, it was once estimated as bright as 6.45 in 1889.

160 *Orionis.* 2.13.88, 6.8; 3.23.89, 6.75.

161 " 2.22.87, 5.45; 4.13.87, 5.4; 2.13.88, 5.35; 3.23.89, 5.35. If we exclude the first observation made in 1882 (4.9), the others are fairly accordant, ranging only from 5.35 to 5.55.

83 *Leporis.* 2.13.88, 6.9.

4 *Monocerotis.* 2.13.88, 5.65.

85 *Leporis.* 2.28.86, 5.1; 2.19.87, 5.55; 2.22.87, 5.6; 2.13.88, 5.45; 2.2.89, 5.45; 2.28.89, 5.55; 3.1.89, 5.6. Eight observations made in the years 1882 to 1889 range only from 5.45 to 5.6; yet the star was twice estimated as bright as 5.1 in the years 1882 and 1886. Variable?

86 *Leporis.* 2.19.87, 5.25; 2.13.88, 5.3.

87 " 2.13.88, 7.05; 2.19.88, 7.2; 3.4.88, 7.2; 3.29.88, 7.15; 3.23.89, 7.0. Discovered to be a variable, probably of the *R Scuti* type, in 1891. The mean period appears to be very nearly sixty-nine days, subject however to irregularities. The variation is from about 6.7 to 7.5. See A. J., No. 263.

167 *Orionis.* 2.13.88, 6.95.

91 *Leporis.* 2.25.87, 6.4.

92 " 2.13.88, 6.0.

93 " 2.13.89, 7.1; 1.20.90, 6.8. Generally seen fainter than 7.0.

9 *Monocerotis.* 1.20.90, 7.0.

10 " 2.13.88, 6.9; 1.20.90, 7.0.

96 *Leporis.* 2.13.88, 6.4; 3.23.89, 6.4. A slight progressive fading apparently shown from 6.05 in 1882 to 6.4 in 1888–89.

97 *Leporis.* 3.23.89, 6.0.

98 " 3.23.89, 6.95; 1.20.90, 7.1.

100 " 3.23.89, 6.35. Always seen fainter than at Cordoba, but no signs of variability are apparent.

13 *Monocerotis.* 2.24.87, 6.5.

14 " 2.24.87, 5.8.

103 *Leporis.* 3.4.88, 7.1; 3.23.89, 7.05. Generally seen fainter than 7.0.

2 *Canis Majoris.* 2.13.88, 6.8; 3.3.88, 7.1; 3.24.89, 7.0. Generally observed fainter than 7.0.

3 *Canis Majoris.* 2.13.88, 6.6; 2.29.88, 6.75.

178 *Orionis.* 2.22.87, 6.1; 4.13.87, 6.15; 2.13.88, 6.1; 3.24.89, 6.1; 3.24.84, 6.2. Seven observations range only from 6.1 to 6.3; yet it was estimated once in 1882 as faint as 6.55.

17 *Monocerotis.* 2.19.87, 6.35; 2.24.87, 6.25; 3.20.87, 6.3; 2.13.88, 6.3. Estimates range from 6.1 to 6.6.

18 *Monocerotis.* 3.23.89, 6.5.

4 *Canis Majoris.* 2.29.88, 6.9.

6 " " 2.13.88, 6.35; 3.4.88, 6.5.

9 " " 2.13.88, 6.4.

... " " 2.13.88, 7.15.

12 " " 4.13.87, 7.0; 2.13.88, 6.95.

185 *Orionis.* 2.22.87, 5.95; 3.13.87, 5.9; 2.13.88, 5.85; 3.24.89, 5.85. Six of the seven observations of this red star give values ranging only from 5.85 to 5.95; yet the first estimation, made in 1882, found the star half a magnitude brighter, or 5.3.

21 *Monocerotis.* 2.13.88, 5.7; 3.23.89, 5.85.

... *Canis Majoris.* 3.24.89, 7.25. Generally seen fainter than at Cordoba.

16 *Canis Majoris.* 2.29.88, 7.0; 3.24.89, 7.0. A progressive fading apparently shown from 6.7 in 1882 to 7.0 in 1889.

18 *Canis Majoris.* 3.13.87, 3.2; 2.29.88, 3.25. Estimates vary from 3.0 to 3.4.

17 *Canis Majoris.* 2.24.87, 6.1; 3.24.89, 6.05.

19 " " 2.29.88, 7.0.

22 " " 3.24.89, 6.8.

23 " " 3.13.87, 5.9. Always seen fainter than at Cordoba.

27 *Canis Majoris.* 2.29.88, 7.0; 3.24.89, 7.0.
28 " " 2.13.88, 6.9.
32 *Monocerotis.* 2.13.88, 6.8.
34 " 2.13.88, 6.9.
30 *Canis Majoris.* 2.29.88, 6.75.
35 *Monocerotis.* 2.13.88, 6.9.
40 " 2.13.88, 6.9.
43 " 3.21.87, 6.3; 3.23.87, 6.3.
31 *Canis Majoris.* 2.29.88, 6.85.
45 *Monocerotis.* 3.23.89, 5.55.
... *Canis Majoris.* 2.24.87, 7.3.
48 *Monocerotis.* 3.13.87, 3.9; 2.13.88, 4.1. Estimates vary from 3.9 to 4.4.
50 *Monocerotis.* 3.20.87, 6.6; 2.13.88, 6.8; 3.4.88, 6.75. Estimates vary from 6.45 to 6.8. Always seen fainter than at Cordoba.
44 *Canis Majoris.* 2.27.86, 4.4; 3.13.87, 4.2; 2.25.87, 4.4; 4.13.87, 4.5; 2.29.88, 4.35. Estimates range from 4.2 to 4.7.
46 *Canis Majoris.* 2.29.88, 6.95.
49 " " 2.27.86, 4.8; 3.23 89, 4.8.
51 " " 3.24.89, 6.95.
54 " " 2.27.86, 4.6; 3.5.86, 4.3; 3.25.89, 4.4. The estimates of this red star vary from 4.2 to 4.6.
55 *Canis Majoris.* 3.24.89, 6.8.
57 " " 3.24.84, 4.5; 2.27.86, 5.4; 3.5.86, 5.1; 3.13.87, 5.15; 4.13.87, 5.15; 2.29.88, 4.95; 3.23.89, 5.1. Observations very discordant, and range from 4.5 to 5.4. A red star and difficult to observe.
61 *Canis Majoris.* 3.13.87, 5.65; 3.26.87, 5.6; 4.13.87, 5.55; 2.29.88, 5.75; 3.24.89, 5.5. Estimates discordant, and range from 5.3 to 5.8.
64 *Canis Majoris.* 2.29.88, 7.2; 3.23.89, 7.4; 3.24.89, 7.25; 1.20.90, 7.2; 2.9.90, 7.2. Has apparently faded since 1882 from 7.0 to 7.3.
... *Canis Majoris.* 3.23.89, 7.4; 1.20.90, 7.3; 2.9.90, 7.3.
70 *Monocerotis.* 3.23.89, 6.85; 3.24.89, 7.0. A difficult star to observe.
72 *Monocerotis.* 3.23.89, 7.15; 3.24.89, 7.15. Has apparently decreased from 6.9 in 1882 to 7.15 in 1889.
68 *Canis Majoris.* 2.29.88, 6.75; 4.6.88, 6.85; 3.24.89, 6.6. Estimates somewhat discordant, and range from 6.5 to 6.8.
69 *Canis Majoris.* 3.4.88, 6.8; 3.24.89, 6.75.
71 " " 3.13.87, 5.7; 4.13.87, 5.65; 2.29.88, 5.6; 3.24.89, 5.7; 4.19.89, 5.7. Generally observed as 5.6 or 5.7; but twice estimated in 1886 as bright as 5.3; red.
75 *Monocerotis.* 3.26.87, 5.8; 3.4.88, 5.6; 3.23.89, 5.7; 3.24.89, 5.75. Six observations range only from 5.6 to 5.8; but observed once in 1882 as 6.2. With the exception of the estimation last mentioned, the star has always been seen brighter than at Cordoba.
75 *Canis Majoris.* 3.13.87, 5.4; 4.13.87, 5.4.
77 *Monocerotis.* 3.26.87, 5.9; 3.4.88, 5.7; 3.23.89, 6.0. Has apparently faded from 5.5 in 1882, to 6.0 in 1889.
82 *Monocerotis.* 3.4.88, 6.35.
78 *Canis Majoris.* 4.13.87, 6.6; 3.4.88, 6.75. Estimates discordant, and range from 6.5 to 6.9; difficult; near other stars. Cum.?
83 *Monocerotis.* 3.4.88, 6.4; 3.23.89, 6.65.
... *Canis Majoris.* 3.13.87, 7.1.
79 " " 3.13.87, 6.7; 3.4.88, 6.75; 3.23.89, 6.85. Estimates of this red star vary from 6.35 to 6.85; difficult; no good comparison-stars near.
80 *Canis Majoris.* 3.24.89, 7.1. Always seen fainter than 7.0.
82 *Canis Majoris.* 3.4.88, 6.75; 3.24.89, 6.7.
... " " Combined light of this pair equal 7.0. Separately the estimates are 7.5 and 7.35.
86 *Canis Majoris.* 2.6.88, 7.05.
89 *Monocerotis.* 3.20.87, 6.8; 3.4.88, 6.75.
87 *Canis Majoris.* 3.5.86, 5.0; 3.4.88, 6.75.
88 " " 3.24.89, 6.85.
90 " " 3.4.88, 6.6; 3.24.89, 6.8. Has apparently decreased from 6.4 in 1882 to 6.8 in 1889.
92 *Monocerotis.* 3.4.88, 6.55.
92 *Canis Majoris.* 2.27.86, 4.15; 3.4.88, 4.5; 3.23.89, 4.45. Has apparently faded from 3.75 in 1882, to 4.5 in 1888. Will bear further watching.
95 *Canis Majoris.* 3.5.86, 5.3; 3.26.87, 5.15.
98 " " 2.27.86, 4.7; 3.5.86, 4.6; 3.24.89, 4.7. Estimates vary from 4.6 to 5.0.
94 *Monocerotis.* 3.24.89, 6.7. Difficult; near other stars.
96 " 3.4.88, 7.1. Always seen fainter than 7.0.
100 *Canis Majoris.* 2.9.90, 7.1.
103 " " 3.4.88, 6.65.
105 " " 3.24.89, 5.9.
106 " " 2.27.86, 1.7.
100 *Monocerotis.* 3.4.88, 6.7.
106 " 3.26.87, 6.2; 3.4.88, 6.15; 4.2.88, 6.1; 3.23.89, 6.2. While this star was estimated as 5.7 in 1882, it has not been seen brighter than 6.0 since, and always observed fainter than at Cordoba.
114 *Canis Majoris.* 3.13.87, 4.1; 2.29.88, 4.15. Estimates very discordant, and range from 3.7 to 4.2. This is a very red star, quite bright, and difficult to observe.
108 *Monocerotis.* 3.4.88, 5.5.
115 *Canis Majoris.* 2.27.86, 3.55; 3.4.88, 3.4.
110 *Monocerotis.* 3.4.88, 6.2; 3.23.89, 6.4. Estimates vary from 6.1 to 6.4.
116 *Canis Majoris.* 3.5.86, 4.3; 3.4.88, 4.3.
118 " " 3.4.88, 6.7.
123 " " 2.27.86, 2.2.
114 *Monocerotis.* 3.24.89, 6.6.
124 *Canis Majoris.* 3.24.89, 7.0.
115 *Monocerotis.* 3.6.88, 5.5.
127 *Canis Majoris.* 4.6.88, 6.65.
116 *Monocerotis.* 3.24.89, 6.9.

117 *Monocerotis.* 3.20.87, 6.0. Estimates range from 5.8 to 6.2.
128 *Canis Majoris.* 3.24.89, 6.45.
118 *Monocerotis.* 4.6.88, 4.2; 3.24.89, 4.3. A very difficult star to observe, as it lies close to another, and there are no good comparison-stars near.
129 *Canis Majoris.* 4.6.88, 6.75.
132 *Canis Majoris.* 3.4.88, 6.45.
119 *Monocerotis.* 4.2.88, 6.7; 4.6.88, 6.65; 3.24.89, 6.7. While two observations in 1882 and 1887 give accordantly 6.4, four observations in 1888 and 1889 invariably make the star somewhat fainter, or 6.65 to 6.7.
120 *Monocerotis.* 3.4.88, 6.55.
139 *Canis Majoris.* 3.13.87, 5.3; 3.24.89, 5.45.
140 " " 3.17.87, 4.2; 3.4.88, 4.3; 3.24.89, 4.25. Five observations vary only from 4.1 to 4.3; but once estimated as bright as 3.7.
141 *Canis Majoris.* 3.4.88, 6.75.
122 *Monocerotis.* 3.20.87, 6.5; 3.4.88, 6.55. Estimates range from 6.2 to 6.55.
145–6 *Canis Majoris.* 3.7.86, 5.3; 3.26.87, 5.6; 4.17.87, 5.6; 3.4.88, 5.25; 4.2.88, 5.4; 3.24.89, 5.2. For this double star the estimates of the joint light are quite discordant, ranging from 5.0 to 5.6.
147 *Canis Majoris.* 3.4.88, 5.6; 4.2.88, 5.5; 3.24.89, 5.45. For this red star the estimates range from 5.3 to 5.6.
149 *Canis Majoris.* 3.4.88, 6.95.
150 " " 4.2.88, 5.4; 3.24.89, 5.45. Always seen brighter than at Cordoba.
151 *Canis Majoris.* 3.4.88, 4.55; 3.24.89, 4.6.
152 " " 4.6.88, 6.75.
153 " " 4.6.88, 6.9; 2.11.90, 7.1; 3.9.90, 7.1.
156 " " 3.4.88, 6.3.
158 " " 3.4.88, 6.4; 4.2.88, 6.4; 3.24.89, 6.5.
126 *Monocerotis.* 3.23.89, 6.55.
127 " 3.24.89, 6.45.
160 *Canis Majoris.* 3.4.88, 5.55.
162 " " 4.19.87, 6.1; 3.4.88, 6.15. The estimates of this red star range from 6.0 to 6.3.
167 *Canis Majoris.* 2.22.86, 2.9; 2.27.86, 2.8.
168 " " 4.13.88, 6.75.
169 " " 3.4.88, 6.55; 4.2.88, 6.35. Difficult to observe, as it lies close to other stars; estimates range from 6.35 to 6.6.
170 *Canis Majoris.* 3.4.88, 7.1. Generally seen below 7.0.
130 *Monocerotis.* 3.23.89, 6.4.
172 *Canis Majoris.* 3.24.89, 6.7; 3.30.89, 6.7.
173 " " 4.2.88, 6.4.
175 " " 3.24.89, 7.05.
176 " " 4.2.88, 6.2; 4.6.88, 6.35.
177 " " 4.13.87, 6.1; 3.4.88, 6.1. This star was estimated to be 5.85 and 5.9 in 1882 and 1886, and 6.1 and 6.2 in 1887 and 1888. It has always been seen fainter than at Cordoba.

93 *Puppis.* 3.7.88, 6.05.
136 *Monocerotis.* 3.22.89, 6.45.
97 *Puppis.* 3.4.88, 5.5; 3.24.89, 5.55.
137 *Monocerotis.* 3.7.88, 6.75; 3.23,89, 6.7.
138 " 3.7.88, 7.05; 3.23.89, 6.95. Generally seen fainter than 7.0.
141 *Monocerotis.* 2.11.90, 7.0; 3.9.90, 7.0.
142 " 4.2.88, 6.3; 4.9.88, 6.2.
143 " 3.23.89, 6.75.
105 *Puppis.* 3.24.89, 64; 3.30.89, 6.35.
106 " 3.24.89, 6.55. Always seen brighter than at Cordoba.
107 *Puppis.* 3.7.88, 5.4; 3.28.89, 5.5; 4.19.89, 5.5. Observations discordant, and apparently exhibit a slow progressive fading from 4.8 in 1882 to 5.5 in 1889. Variable?
108 *Puppis.* 3.24.89, 5.2.
109 " 3.7.88, 7.0; 3.24.89, 7.0.
111–2 " 3.4.88, 5.6; 3.24.89, 5.75.
114 " 3.28.89, 7.0.
116 " 3.7.88, 6.8; 4.9.88, 6.7; 3.28.89, 6.5. This star was estimated as bright as 6.2 in 1882; since which it has not been seen brighter than 6.5; and it has been estimated as faint as 6.8. Variable?
144 *Monocerotis.* 3.7.88, 6.8.
122 *Puppis.* 3.30.89, 6.3.
119 " 3.25.87, 5.1; 4.13.87, 5.3; 3.30.89, 5.0. Estimates range from 5.0 to 5.5.
120 *Puppis.* 3.7.88, 7.0; 3.28.89, 7.0.
125 " 3.24.89, 6.15.
126 " 4.2.88, 7.0; 3.24.89, 7.2; 3.30.89, 7.0. Five observations give values ranging only from 7.0 to 7.2; but once estimated in 1882 as 6.65.
128 *Puppis.* 3.25.87, 5.35; 3.30.89, 5.2. Estimates range from 5.2 to 5.5.
132 *Puppis.* 3.24.89, 6.85; 3.30.89, 6.85.
133–4 " 3.25.87, 3.9; 3.30.89, 3.9.
147 *Monocerotis.* 2.12.90, 7.1; 3.17.90, 7.2. Generally seen below 7.0.
135 *Puppis.* 3.30.89, 7.0.
139 " 3.30.89, 7.0; 4.13.87, 7.2.
... " 4.13.87, 7.2; 3.30.89, 7.2. This and the preceding star lie close together and also near the bright double 133–4 *Puppis*, and are very difficult to observe.
140 *Puppis.* 4.24.87, 5.65; 3.29.88, 5.65; 4.9.88, 5.45; 3.30.89, 5.4. The estimates of this red star are quite discordant ranging from 5.1 to 5.7. Variable?
141 *Puppis.* 3.24.89, 6.55; 3.30.89, 6.55.
149 *Monocerotis.* 4.2.88, 4.2.
152 *Puppis.* 3.7.88, 7.0; 3.30,89, 6.95. Estimates range from 6.9 to 7.2.
150 *Monocerotis.* 3.7.88, 6.55; 3.23.89, 6.55.
154 *Puppis.* 3.28.89, 6.5.
155 " 3.25.87, 5.65; 4.19.87, 5.75; 3.7.88, 5.65;

3.29.88, 5.7; 3.30.89, 5.6. The first estimate of this star, made in 1882, agrees with the U. A. magnitude, or 5.0; since which it has not been estimated brighter than 5.55, seven observations ranging only from 5.55 to 5.75.

157 *Puppis.* 3.25.87, 4.3; 3.30.89, 4.35.

151 *Monocerotis.* 2.12.90, 7.0.

152 " 2.12.90, 7.1.

166 *Puppis.* 3.30 89, 6.3. Difficult; lies close to a bright star, and the comparison-stars are not well situated.

153 *Monocerotis.* 3.7.88, 6.2.

... *Puppis.* 3.30.89, 7.3.

... " 3.30.89, 7.6.

170 " 3.30.89, 6.8; 2.13.90, 6.8.

179 " 3.30.89, 6.65. Double, and both components equal; always seen brighter than at Cordoba.

... *Monocerotis.* 2.12.90, 7.0; 3.17.90, 7.0. Not in the U. A. SDM. 6°, 2305, 7.1.

180 *Puppis.* 3.30.89, 5.95.

183 " 3.25.87, 5.0; 3.29.88, 5.0; 4.19.89, 5.25.

186 " 3.30.89, 6.8.

191 " 3.25.87, 3.5.

154 *Monocerotis.* 3.23.89, 6.15.

192 *Puppis.* 4.19.89, 6.95.

155 *Monocerotis.* 3.7.88, 6.7.

203 *Puppis.* 3.30.89, 6.8.

205 " 4.2.88, 5.65; 3.30.89, 5.7.

204 " 4.19.89, 6.35.

206 " 3.30.89, 6.15.

156 *Monocerotis.* 3.7.88, 6.15.

... *Puppis.* 4.19.89, 7.4; 4.28.89, 7.4. Generally seen fainter than at Cordoba; but once estimated as bright as 7.05.

... *Puppis.* 4.19.89, 7.3; 4.28.89, 7.3. The preceding star generally appears the fainter of the two, although the order is reversed in the U. A.

222 *Puppis.* 4.19.89, 4.55. Observations are discordant, and range from 4.55 to 4.95; difficult to observe.

... *Monocerotis.* Always estimated brighter than at Cordoba; but it lies close to a bright star, and hence is difficult to observe.

165 *Monocerotis.* 3.24,89, 6.65.

254 *Puppis.* 4.19.89, 6.95.

256 " 4.6.88, 5.0. Difficult.

261 " 4.6.88, 7.0.

1 *Hydræ.* 3.25.87, 5.85.

... " 4.19.89, 6.65.

5 " 4.2.88, 6.8.

284 *Puppis.* 4.6.88, 6.65; 4.19.89, 6.5; 4.28.89, 6.55. A slight progressive brightening apparently shown from 6.8 to 6.5.

285 *Puppis.* 4.19.89, 64.

7 *Hydræ.* 4.19.89, 6.55.

8 " 4.2.88, 6.6.

9 " 4.19.89, 6.7; 4.28.89, 6.65.

291 *Puppis.* 3.25.87, 6.7; 4.19.87, 6.55; 4.2.88, 6.6. This red star always seen fainter than at Cordoba by half a magnitude.

292 *Puppis.* 4.2.88, 6.0.

293 " 4.6.88, 6.4; 4.19.89, 6.3. Always estimated fainter than at Cordoba by nearly half a magnitude.

13 *Hydræ.* 4.19.89, 6.3.

14 " 3.24.89, 6.4; 4.19.89, 6.7; 4.28.89, 6.65. Observations discordant.

298 *Puppis.* 4.19.89, 6.65.

16 *Hydræ.* 4.2.88, 6.5; 4.19.89, 6.3. Always seen brighter than at Cordoba by nearly half a magnitude.

... *Puppis.* 4.6.88, 7.0. Not in U. A.

... " 4.2.88, 7.1. Not in U. A.

19 *Hydræ.* 4.19.88, 3.8. Difficult; no good comparison-stars near.

301 *Puppis.* 4.3.88, 6.0.

302 " 4.2.88, 5.85; 4.19.89, 6.0. The estimates of this red star are discordant, and range from 5.5 to 6.0. Variable?

303 *Puppis.* 4.19.89, 6.4.

21 *Hydræ.* 3.24.89, 7.0.

308 *Puppis.* 4.2.88, 6.15. The observations at Cordoba on this red star indicate variability; but no confirmatory evidence is furnished by my observations, which range only from 6.0 to 6.2.

24 *Hydræ.* 4.2.88, 6.85.

25 " 4.2.88, 6.6; 4.19.89, 6.55. A slight progressive brightening apparently shown from 6.9 in 1884 to 6.55 in 1889.

27 *Hydræ.* 3.24.89, 6.2.

3 *Pyxidis.* 4.27.87, 6.7; 4.3.88, 6.6. Observations discordant, and range from 6.5 to 6.9.

31 *Hydræ.* 4.2.88, 6.85.

... " 2.16.90, 6.9. Not in U. A. SDM. 15°, 2494, 6.3.

10 *Pyxidis.* 4.3.88, 6.4; 4.6.88, 6.5; 4.19.89, 6.65; 4.28.89, 6.4. Difficult; estimates range from 6.4 to 6.8.

15 *Pyxidis.* 4.3.88, 6.4; 4.19.89, 6.4.

... " 4.19.89, 7.3.

40 *Hydræ.* 3.26.87, 6.75.

41 " 3.26.87, 6.75.

16 *Pyxidis.* 4.19.87, 5.9; 4.24.87, 5.8; 4.3.88, 5.5; 5.7.88, 5.5; 4.19.89, 5.6. Observations somewhat discordant, and range from 5.5 to 5.9; but generally seen as 5.5 or 5.6.

18 *Pyxidis.* 2.21.90, 6.7.

43 *Hydræ.* 3.26.87, 6.9.

19 *Pyxidis.* 4.3.88, 5.35; 4.19.89, 5.4. Always seen brighter than at Cordoba.

44 *Hydræ.* 4.2.87, 5.7; 4.3.88, 5.7. Estimated once each in 1884 and 1885 as 5.5; but three observations in 1887 and 1888 give accordantly 5.7.

45 *Hydræ.* 3.26.87, 6.95; 2.21.90, 6.8.

20 *Pyxidis.* 4.3.88, 5.65. Gould, variable? My four observations, 1884 to 1888, give no indications of variability.
46 *Hydræ.* 5.9.87, 6.9.
51 " 4.3.88, 5.0. Difficult.
25 *Pyxidis.* 4.8.86, 6.6; 4.19.89, 6.55.
56 *Hydræ.* 4.3.88, 6.5; 4.6.88, 6.45; 5.7.88, 6.45. Observed once in 1884 as 6.2; five observations since give invariably 6.4 or 6.5.
60 *Hydræ.* 4.19.89, 4.7. Difficult. Two observations in 1884 and 1887 agree with the Cordoba estimates, 4.4; but the star has been estimated since as 4.65 and 4.7.
61 *Hydræ.* 4.30.89, 5.5. This star has apparently brightened since 1887, for, while in 1884 and 1887 the estimates are 5.8 and 5.85 respectively, it was estimated twice in 1889 as 5.5.
62 *Hydræ.* 4.3.88, 6.75. Estimates range from 6.75 to 7.0.
65 *Hydræ.* 4.28.89, 6.8.
66 " 4.27.87, 6.8; 5.9.87, 6.8; 5.12.87, 6.8. Generally seen as 6.8; but once estimated as 6.5.
32 *Pyxidis.* 4.8.88, 6.8; 4.19.89, 6.75.
36 " 4.3.88, 4.45.
70 *Hydræ.* 5.7.88, 5.95. Gould, variable? My four observations, 1884 to 1888, give no signs of change.
72 *Hydræ.* 4.28.89, 6.95. Estimates vary from 6.8 to 7.1.
74 " 4.19.89, 6.95.
79 " 4.3.88, 6.4.
80 " 4.3.88, 6.0; 4.19.89, 6.05. Estimates range from 6.0 to 6.3.
82 *Hydræ.* 3.26.87, 6.95; 4.3.88, 7.0; 4.19.89, 7.0.
40 *Pyxidis.* 4.3.88, 5.1. Always estimated brighter than at Cordoba.
84 *Hydræ.* 4.19.89, 6.65.
85 " 4.19.89, 6.8.
88 " 4.19.89, 6.3.
... " 3.26.87, 7.15; 4.3.88, 7.0; 4.19.89, 7.0; 2.22.90, 7.2; 3.18.90, 7.2. Always estimated brighter than at Cordoba.
43 *Pyxidis.* 4.19.89, 7.05.
... *Hydræ.* 4.28.89, 7.2. Estimates range from 6.9 to 7.2, and apparently show a slight progressive fading.
92 *Hydræ.* Difficult; no good comparison-stars near, yet observations are quite accordant, 6.0 to 6.1, but give values slightly brighter than at Cordoba.
... *Pyxidis.* 4.3.88, 7.1.
91 *Hydræ.* 5.12.87, 7.15; 4.3.88, 6.95; 4.28.89, 7.2; 2.22.90, 7.25. Estimates for some reason are quite discordant, ranging from 6.8 to 7.2, and suggest variability?
47 *Pyxidis.* 5.7.88, 6.95.
94 *Hydræ.* 4.19.89, 7.0.
99 " 4.3.88, 5.85.
50 *Pyxidis.* 3.7.86, 5.0; 4.17.87, 4.9; 4.24.87, 4.9; 4.3.88, 4.9; 5.7.88, 4.95; 4.28.89, 4.85. Gould, variable? Our numerous estimates (nine) have varied only from 4.8 to 5.0, and furnish no evidence of change in light.
51 *Pyxidis.* Estimates range from 7.0 to 7.3.
52 " 4.19.87, 6.5; 4.3.88, 6.5; 4.28.89, 6.5. Our six observations, 1884 to 1889, are remarkably accordant, always 6.5, which agrees exactly with the Cordoba estimates; a good standard.
102 *Hydræ.* 4.6.88, 6.0; 4.28.89, 6.2. Estimates range from 6.0 to 6.3.
103 *Hydræ.* 4.3.88, 5.85.
109 " 4.13.87, 6.75; 4.20.87, 6.8; 4.3.88, 6.75. Estimates discordant, ranging from 6.6 to 7.0.
111 *Hydræ.* 4.3.88, 6.35.
113 " 4.3.88, 6.95.
114 " Always seen brighter than at Cordoba.
118 " 4.3.88, 6.15.
121 " 4.3.88, 6.0.
126 " 4.3.88, 6.65.
127 " 4.28 89, 6.9.
61 *Pyxidis.* 3.7.86, 5.5; 4.13.87, 5.5. Always seen fainter than at Cordoba; red.
128 *Hydræ.* 4.3.88, 6.95.
62 *Pyxidis.* 3.7.86, 5.15; 4.13.87, 5.3.
133 *Hydræ.* 5.9.87, 7.0; 5.12.87, 7.05; 4.3.88, 6.9. Generally estimated 6.9 to 7.1; but once observed as 6.7.
... *Hydræ.* 3.21.90, 7.0. Not in U. A.
135 " 4.28.89, 6.9.
136 " 4.3.88, 6.55; red.
138 " 4.6.88, 7.05.
66 *Pyxidis.* 4.3.88, 6.55; 4.6.88, 6.5; 5.7.88, 6.5. Gould, variable? Our six observations in 1886 and 1888 give invariably 6.5 or 6.55; no evidence of variability.
141 *Hydræ.* 5.7.88, 5.4.
3 *Leonis.* 4.28.89, 6.3. Difficult; no good comparison-stars near; generally seen as 6.2 or 6.3, but once estimated in 1886 as 5.9.
145 *Hydræ.* 4.6.88, 4.7; 4.8.88, 4.7.
146 " 4.3.88, 6.4. Always seen brighter than at Cordoba.
147 *Hydræ.* 4.3.88, 6.6.
148 " 4.19.87, 6.25; 4.6.88, 6.4.
3 *Antliæ.* 3.7.86, 5.9; 4.13.87, 5.9.
5 " 4.13.87, 7.3; 4.19.87, 7.3; 4.3.88, 7.4; 4.13.88, 7.3; 5.7.88, 7.4; 2.20.90, 7.5; 2.22.90, 7.5; 3.9.90, 7.5; 3.21.90, 7.5. Always seen below 7.0. Variable?
150 *Hydræ.* 4.6.88, 6.1; 4.28.89, 6.3. Estimates range from 6.1 to 6.4.
... *Hydræ.* 4.6.88, 6.95. Not in U. A. Gould, 12953, 8ᵐ.
7 *Antliæ.* 4.13.87, 7.0.
152 *Hydræ.* 4.20.87, 4.75; 4.8.88, 4.85.
156 " 4.6.88, 6.15.

12 *Antliæ.* 4.13.87, 6.J.
158 *Hydræ.* 4.28.89, 6.65.
159 " 4.20.87, 6.6; 4.6.88, 6.7.
161 " 4.6.88, 6.95.
163 " 4.6.88, 6.05.
165 " 4.6.88, 6.65.
15 *Antliæ.* 4.13.87, 6.7; 4.6.88, 6.8.
16 " 4.13.87, 6.2; 4.19.87, 6.9; 4.6.88, 6.2. The estimates of this red star are somewhat discordant, ranging from 6.15 to 6.4.
166 *Hydræ.* 3.30.89, 6.85.
170 " 4.20.87, 4.3; 4.8.88, 4.25; 5.7.88, 4.3. Although the first estimate, made in 1884, agrees with the U. A. magnitude (3.9), the star has since been invariably estimated fainter, 4.2 or 4.3.
173 *Hydræ.* 4.6.88, 5.4.
174 " 4.6.88, 5.05.
175 " 4.6.88, 5.2.
23 *Antliæ.* 3.7.86, 5.0; 4.13.87, 5.1.
4 *Sextantis.* 3.30.89, 6.9.
5 " 3.30.89, 6.9.
6 " 4.8.88, 6.95.
30 *Antliæ.* 4.19.87, 6.9; 4.20.87, 6.9; 4.27.87, 6.95; 4.6.88, 7.0; 3.30, 89, 6.95.
177 *Hydræ.* 4.28.89, 7.0.
178 " 4.19.87, 4.1; 4.6.88, 4.4; 3.30.89, 4.3. Estimates range from 3.9 to 4.4.
13 *Sextantis.* 4.8.88, 5.4.
33 *Antliæ.* 4.20.87, 6.65; 4.27.87, 6.65; 4.6.88, 6.7; 3.30.89, 6.6.
34 *Antliæ.* 4.19.87, 6.9; 4.20.87, 6.9; 4.27.87, 6.95; 4.6.88, 7.0; 3.30.89, 6.95. Two observations in 1884 are very discordant, 6.4 and 7.1; six observations since vary only from 6.7 to 7.0; variable? Should receive further attention.
182 *Hydræ.* 4.19.87, 6.5; 4.6.88, 6.55.
184 " 4.6.88, 6.95; 4.28.89, 7.0.
185 " 4.19.87, 6.6; 4.20.87, 6.6; 4.27.87, 6.6; 4.6.88, 6.5; 3.30.89, 6.55.
37 *Antliæ.* 4.13.87, 6.6; 4.19.87, 6.7; 4.20.87, 6.7; 4.27.87, 6.65; 4.6.88, 6.7; 3.30.89, 6.6. Three observations in 1884 and 1885 are perfectly accordant, 6.4, since which the star has always been estimated fainter, 6.6 or 6.7.
20 *Sextantis.* 3.30.89, 6.45; 5.18.89, 6.65.
187 *Hydræ.* 4.19.87. 6.9; 4.27.87, 6.95.
188 " 4.26.86, 6.4; 4.13.87, 6.25; 4.19.87, 6.4; 3.30.89, 6.35.
190 *Hydræ.* 4.28.89, 6.9.
23 *Sextantis.* 5.9.87, 6.75; 4.8.88, 6.45; 4.28.89, 6.65, 3.23.90, 6.8; 4.11.90, 6.8; 4.15.90, 6.8. For this red star the estimates range from 6.4 to 6.8.
191 *Hydræ.* 4.19.87, 6.75; 4.28.89, 6.85.
193 " 4.26.86, 6.1; 4.19.87, 5.9; 4.6.88, 6.0; 4.8.88, 6.0; 3.30.89, 6.0.
194 *Hydræ.* 5.7.88, 4.6; 3.30.89, 4.65. Gould, variable? Our numerous observations, thirty-four in number, give no indications of variability. See note, A. J., No. 184.
195 *Hydræ.* 4.8.88, 6.3; red.
... *Sextantis.* 4.15.90, 7.4.
27 " 4.8.88, 4.55. Always estimated brighter than at Cordoba by nearly half a magnitude.
198 *Hydræ.* 3.30.89, 6.9.
31 *Sextantis.* 4.24.87, 5.95; 5.9.87, 5.95; 4.9.88, 6.15; 4.28.89, 6.1. Estimates range from 5.9 to 6.3.
201 *Hydræ.* 4.22.86, 3.4; red.
202 " 4.30.89, 6.9.
... " 6.2.88, 7.05. Not in U. A. Gould, 13917, 7½.
206 " 4 20.87, 6.9; 3.30.89, 6.85.
208 " 3.30.89, 6 7.
36 *Sextantis.* 4.28.89, 5.55.
59 *Antliæ.* 3.30.89, 6.0. Estimates vary from 5.6 to 6.0.
209 *Hydræ.* 3.30.89, 6.35.
38 *Sextantis.* 4.9.88, 6.45.
... " 4.9.88, 7.0.
40 " 4.9.88, 7.0.
211 *Hydræ.* 4.8.88, 6.65.
212 " 4.20.87, 6.9; 4.8.88, 6.95.
213 " 4.20.87, 6.5; 4.8.88, 6.6.
214 " 4.20.87, 6.6; 4.8.88, 6.7.
215 " 3.30.89, 7.0.
218 " 4.8.88, 6.9.
42 *Sextantis.* 5.9.87, 6.85.
43 " 4.9.88, 6.2.
219 *Hydræ.* 4.8.88, 6.75.
63 *Antliæ.* 4.8.88, 6.7; 3.30.89, 6.55. Estimates range from 6.3 to 6.7.
47 *Sextantis.* 4.28.89, 6.0.
220 *Hydræ.* 4.8.88, 7.2; 4.28.89, 7.15. Only once seen as bright as at Cordoba, 6.9; four estimates give 7.1 to 7.2.
50 *Sextantis.* 5.9.87, 7.0; 4.9.88, 6.9.
221 *Hydræ.* 4.19.87, 4.1; red.
51 *Sextantis.* 4.28.89, 6 8.
52 " 4.28.89, 6.8.
54 " 4.22.86, 5 6; 4.21.87, 5.45.
224 *Hydræ.* 4.20.87, 6.3; 4.8.88, 6.0; 4.28.89, 6.1. The estimates of this red star vary from 6.0 to 6.3.
68 *Antliæ.* 4.8.88, 5.45; 3.30.89, 5.65. A progressive brightening from 5.9 in 1884 to 5.45 in 1888 is apparently shown from the observations. The star is now, 1889, apparently fading again; further observations desirable.
58 *Sextantis.* 4.28.89, 6.7.
225 *Hydræ.* 5.9.87, 5.9; 5.12.87, 5.9; 4.8.88, 5.9; 4.28.89, 5.9; 4.30.89, 5.9. Six observations invariably give 5.9; yet the star was observed once in 1884 as bright as 5.6, and once in 1887 as 5.5.

227 *Hydræ.* 4.20.87, 6.45 ; 4.8.88, 6.3. Estimates range from 6.3 to 6.6.
60 *Sextantis.* 4.9.88, 6.9.
229 *Hydræ.* 4.9.88, 6.95.
231 " 4.8.88, 6.3. Three observations give 6.3 ; but once estimated as 6.6.
63 *Sextantis.* 4.27.87, 6.75.
235 *Hydræ.* 4.20.87, 6.45; 4.8.88, 6.55; 5.7.88, 6.7; 3.30.89, 6.5. Estimates range from 6.3 to 6.7.
236 *Hydræ.* 4.8.88, 6.25.
238 " 5.7.88, 6.95.
240 " 4.2.88, 5.9; 4.9.88, 5.8; 5.7.88, 6.05; 3.30.89, 6.15. This very red star, marked variable in the U. A. Catalogue, has been under observation as a suspected variable since 1884. The star is very difficult to observe, and no positive evidence of variability was furnished by my observations until 1888. The range of variation appears slight, and the period irregular.
242 *Hydræ.* 4.28.89, 5.2.
243 " 4.8.88, 6.3.
67 *Sextantis.* 4.9.88, 6.9.
245 *Hydræ.* 5.7.88, 6.75.
249 " 4.9.88, 5.6; 4.28.89, 5.65.
251 " 4.28.89, 6.6.
71 *Sextantis.* 4.27.87, 7.15; 4.9.88, 7.1. Generally seen below 7.0.
253 *Hydræ.* 5.7.88, 6.85.
254 " 4.22.86, 3.1; 4.9.88, 3.3. The estimates of this bright red star range from 2.9 to 3.3.
74 *Sextantis.* 5.7.88, 5.85; 4.28.89, 6.0.
256 *Hydræ.* Always seen below 7.0.
20 *Leonis.* Difficult; near another star.
21 " 4.9.88, 6.0.
257 *Hydræ.* 5.7.88, 5.6; 4.28.89, 5.65.
1 *Crateris.* 4.24.87, 6.75; 4.9.88, 6.8.
2 " 4.24.87, 6.0; 4.9.88, 6.0.
3 " 4.9.88, 7.05; 4.30.89, 7.05.
4 " 4.24.87, 6.6. Always seen fainter than at Cordoba.
5 *Crateris.* 4.13.88, 4.4; red.
6 " 4.24.87, 6.4; 4.9.88, 6.25.
7 " 4.24.87, 6.75.
28 *Leonis.* 4.9.88, 5.55.
29 " 4.30.89, 6.95.
261 *Hydræ.* 4.30.89, 6.35.
263 " 4.9.88, 6.85.
9 *Crateris.* 4.9.88, 6.6.
10 " 4.9.88, 6.65.
265 *Hydræ.* 4.9.88, 6.2.
12 *Crateris.* 4.9.88, 6.7; 5.6.88, 6.65.
266 *Hydræ.* 5.7.88, 6.8.
267 " 4.13.88, 7.0; 5.7.88, 6.9.
268 " 5.7.88, 6.7.
35 *Leonis.* 5.7.88, 6.95.
269 *Hydræ.* 5.7.88, 6.7.
270 " 5.7.88, 6.5.
13 *Crateris.* 4.9.88, 6.85.
272 *Hydræ.* 4.13.88, 6.1; 5.7.88, 6.1; 4.30.89, 6.1. Gould, variable? This star has apparently faded from 5.85 in 1884 to 6.1 in 1888 and 1889; but the range is too slight to furnish conclusive evidence of change.
273 *Hydræ.* 4.13.88, 7.0; 5.7.88, 7.1. Generally seen fainter than 7.0.
274 *Hydræ.* 5.7.88, 6.8.
275 " 4.9.88, 6.7.
16 *Crateris.* 4.9.88, 6.3.
37 *Leonis.* 5.18.89, 5.65.
40 " 5.7.88, 7.0.
19 *Crateris.* 4.9.88, 6.65.
41 *Leonis.* 5.7.88, 7.2. Generally seen fainter than 7.0.
43 " 5.7.88, 4.2; 5.18.89, 4.1. Estimates range from 4.05 to 4.4.
23 *Crateris.* 5.7.88, 3.6.
26 " 5.12.87, 5.45; 4.13.88, 5.4.
27 " 5.12.87, 5.4.
30 " 5.12.87, 6.8; 5.7.88, 6.85.
32 " 5.15.87, 6.0.
59 *Leonis.* 5.7.88, 6.6.
33 *Crateris.* 5.7.88, 6.2. Always seen fainter than at Cordoba.
62 *Leonis.* 5.18.89, 5.1. Difficult; no good comparison-stars near. Estimates range from 5.0 to 5.3.
... *Crateris.* 5.22.90, 7.0. Not in U. A. SDM. 12°, 3442, 7.2.
287 *Hydræ.* 4.19.88, 5.7.
36 *Crateris.* 5.12.87, 6.3; 4.13.88, 6.2.
37 " 4.13.88, 7.1; 4.30.89, 7.15. Only once seen brighter than 7.1.
38 *Crateris.* 5.14.87, 4.75; 5.7.88, 4.75; 4.30.89, 4.7. Five observations range only from 4.7 to 4.9 ; but once estimated as faint as 5.2.
69 *Leonis.* 5.7.88, 4.7; 4.30.89, 4.5; 5.18.89, 4.5. Very difficult; no good comparison-stars near. The estimates of this red star range from 4.2 to 4.7.
... *Crateris.* 4.30.89, 7.1.
42 " 4.30.89, 6.2.
43 " 4.30.89, 6.75.
46 " 4.30.89, 6.95.
296 *Hydræ.* 5.7.88, 7.15; 4.30.89, 7.05. Double; estimates of combined light apparently show a progressive fading from 6.8 in 1884 to 7.15 in 1888.
47 *Crateris.* 4.30.89, 6.8.
48 " 5.12.87, 5.15 ; 4.13.88, 5.2.
50 " 4.30.89, 7.0.
298 *Hydræ.* 4.30.89, 5.5. A progressive brightening apparently shown from 5.9 in 1884 to 5.5 in 1889.
51 *Crateris.* 5.7.88, 6.5; 4.30.89, 6.4 ; 5.23.89, 6.4. This star has also apparently brightened from 6.7 in 1884 to 6.4 in 1889.

12 *Virginis.* 5.18.89, 6.0.
... *Crateris.* 4.20.90, 6.4. Not in U. A. SDM. 11°, 3190, 6.3.
... *Virginis.* 4.20.90, 7.0. Not in U. A. Gould, 16226, 7.2; SDM. 4°, 3162, 7.0.
52 *Crateris.* 5.7.88, 7.0.
304 *Hydræ.* 5.7.88, 6.55. Estimates range from 6.3 to 6.6.
... " 5.7.88, 6.8; 5.18.89, 7.05. Estimates for this double star range from 6.8 to 7.1.
1 *Corvi.* 5.6.88, 6.7; 4.28.89, 6.65.
2 " 5.7.88, 7.2; 4.28.89, 7.1. Generally seen fainter than 7.0.
306 *Hydræ.* 5.7.88, 6.9.
307 " 5.7.88, 7.1.
309 " 5.7.88, 7.15.
22 *Virginis.* 5.8.89, 7.0.
3 *Corvi.* 4.28.89, 6.3. Difficult; no good comparison-stars near. Estimates range from 6.3 to 6.6.
4 *Corvi.* 4.13.88, 5.4.
28 *Virginis.* 5.23.89, 6.95.
30 " 5.7.88, 6.7.
5 *Corvi.* 5.14.87, 6.9; 5.7.88, 6.7; 5.18.89, 6.9. Estimates somewhat discordant, and range from 6.7 to 7.0.
... *Corvi.* 5.21.90, 7.0. Not in U. A. SDM. 17°, 3562, 7.2.
11 " 5.7.88, 6.75.
13 " 4.27.87, 5.8.
40 *Virginis.* 6.1.88, 6.7; 5.23.89, 6.7. Estimates range from 6.4 to 6.7.
15 *Corvi.* 4.27.87, 6.2. Estimates vary from 6.1 to 6.4.
41 *Virginis.* 5.18.89, 6.3.
17 *Corvi.* 4.22.86, 6.7; 4.27.87, 6.75.
19 " 5.14.87, 6.25; 5.7.88, 6.35.
20 " 4.27.87, 6.85. Estimates range from 6.8 to 7.1.
45 *Virginis.* 5.15.87, 3.9; 5.23.87, 4.0; 6.1.88, 3.6. Estimates range from 3.6 to 4.0.
21 *Corvi.* 5.14.87, 6.45; 5.7.88, 6.4. Generally observed as 6.3 or 6.4; but once estimated as 6.7.
23 *Corvi.* 6.4.86, 5.55; 4.22.86, 5.7.
24 " 5.16.84, 6.8; 5.9.85, 6.8; 4.29.86, 6.9.
25 " 4.29.86, 5.9.
50 *Virginis.* 6.4.86, 6.15; 4.22.86, 6.05; 5.15.87, 6.1.
27 *Corvi.* 5.9.85, 6.7; 4.29.86, 6.6.
30 " 5.6.88, 6.45; 5.7.88, 6.25; 6.2.88, 6.45; 6.3.88, 6.35; 6.4.88, 6.35. Gould, variable? Our eight observations are quite accordant, and furnish no evidence of variability. See note in A. J., No. 184.
32 *Corvi.* 5.7.88, 6.5.
33 " 4.22.86, 5.9; 5.18.89, 5.9. Estimates range from 5.9 to 6.2.
34 *Corvi.* 4.22.86, 6.4; 4.29.86, 6.4; 5.7.88, 6.5. Always seen fainter than at Cordoba.
35 *Corvi.* 4.22.86, 5.9.
36 " Numerous observations of this star in connection with the stars 12, 18, and 28 *Corvi* (all four of which have been suspected to vary, from the Cordoba observations) seem to furnish evidence of change in No. 36 alone. See A. N., No. 2657.
40 *Corvi.* 4.22.86, 6.4; 4.29.86, 6.3; 5.7.88, 6.2.
64 *Virginis.* 5.18.89, 6.9; 5.23.89, 7.0. My five estimates of this star apparently show a slight progressive fading from 6.7 in 1884 to 7.0 in 1889.
41 *Corvi.* 4.22.86, 6.1; 4.29.86, 6.1; 5.7.88, 6.2.
71 *Virginis.* 5.18.89, 6.9; 5.23.89, 6.75. Estimates range from 6.6 to 6.9.
42 *Corvi.* 4.27.87, 6.9.
43–4 " 4.22.86, 5.65; 5.6.88, 5.35; 6.3.88, 5.45; 6.4.88, 5.45. Always seen brighter than at Cordoba.
45 *Corvi.* 4.22.86, 6.3; 4.29.86, 6.2; 5.7.88, 6.1. Estimates range from 6.0 to 6.3.
46 *Corvi.* 4.27.87, 6.9; 5.6.88, 6.85.
47 " 5.6.88, 6.85.
48 " 4.27.87, 6.9.
330 *Hydræ.* 6.3.88, 6.0; red; estimates range from 5.8 to 6.1.
81 *Virginis.* 6.1.88, 6.75; 5.23.89, 6.6. Estimates range from 6.6 to 6.9; double.
49 *Corvi.* Always seen below 7.0.
332 *Hydræ.* 6.3.88, 6.5.
51 *Corvi.* 5.14.87, 6.9; 5.7.88, 7.0.
334 *Hydræ.* 6.1.88, 6.35.
90 *Virginis.* 6.1.88, 6.2.
92 " 6.1.88, 6.1.
93 " 6.1.88, 5.6; 6.3.88, 5.5; 5.23.89, 5.3. Estimates of this red star range from 5.2 to 5.6. Variable?
53 *Corvi.* 5.23.89, 6.45.
95 *Virginis.* Always seen fainter than at Cordoba.
96 " 6.3.88, 6.85.
336 *Hydræ.* 5.18.89, 6.7. Has apparently brightened from 7.0 to 6.7.
97 *Virginis.* 5.18.89, 6.65.
98 " 6.1.88, 6.8; 6.3.88, 6.55; 6.4.88, 6.5; 6.11.88, 6.5; 5.23.89, 6.75. Difficult; no good comparison-stars near; estimates vary from 6.4 to 6.8.
337 *Hydræ.* 6.1.88, 6.6. Estimates range from 6.55 to 6.85.
102 *Virginis.* 6.1.88, 6.8; 6.3.88, 6.95. Estimates range from 6.8 to 7.1.
... *Hydræ.* 5.18.89, 7.3. Observations apparently show a progressive fading from 6.9 in 1884 to 7.3 in 1889.
112 *Virginis.* 6.1.88, 6.55.
113 " 6.29.88, 6.8.
114 " 5.6.88, 6.45; 6.1.88, 6.3; red.
115 " 6.3.88, 4.55; 6.29.88, 4.65. Estimates range from 4.4 to 4.8.
117 *Virginis.* 6.29.88, 5.3.
120 " 6.1.88, 5.75; 6.29.88, 5.65.
122 " 6.1.88, 7.0.

123 *Virginis.* 6.1.88, 7.0.
126 " 6.1.88, 6.85.
128 " 6.1.88, 7.0.
131 " Always seen brighter than at Cordoba.
138 " 6.1.88, 6.85.
139 " 5.6.88, 5.75; 6.1.88, 5.65. Gould, variable? My five estimates of this red star range only from 5.65 to 5.8, and furnish no evidence of variability.
140 *Virginis.* 5.15.87, 6.45; 6.1.88, 6.45; 6.3.88, 6.4. Estimates discordant, and range from 6.2 to 6.6; but always seen fainter than at Cordoba.
141 *Virginis.* 6.29.88, 6.75.
143 " 6.29.88, 6.0.
146 " 6.3.88, 6.0; 6.29.88, 6.05. Has apparently brightened from 6.4 to 6.0.
148 *Virginis.* 6.1.88, 5.1. Gould, variable? No evidence of change furnished by my four observations, which range only from 5.0 to 5.1.
346 *Hydræ.* 6.2.88, 6.95.
149 *Virginis.* 6.29.88, 7.15. Always seen fainter than 7.0.
154 " 5.15.87, 6.45; 5.6.88, 6.45; 6.1.88, 6.45; 6.3.88, 6.3. Gould, variable? My seven observations furnish no evidence of change; red. See note, A. J., No. 184.
156 *Virginis.* 6.29.88, 6.2.
157 " 5.15.87, 5.2; 6.3.88, 5.3; red.
158 " 6.1.88, 5.95.
159 " 6.20.86, 5.8.
161 " 6.1.88, 7.0.
164 " Difficult; always seen fainter than 7.0. Variable?
165 *Virginis.* 6.20.86, 6.2; 5.6.88, 6.1; 6.3.88, 6.0. Gould, variable. My twenty observations range only from 6.0 to 6.3, and give but slight evidence of change. See note, A. J., No. 184.
166 *Virginis.* 6.3.88, 7.25; 6.29.88, 7.15. Generally seen fainter than 7.0.
169 *Virginis.* 6.1.88, 6.15; 6.29.88, 6.2.
351 *Hydræ.* 6.29.88, 5.75.
353 " Always seen as 7.1.
354 " 6.2.88, 6.3.
355 " 6.29.88, 6.55.
173 *Virginis.* 6.20.86, 5.7.
356 *Hydræ.* 6.29.88, 6.55.
179 *Virginis.* 6.3.88, 6.3.
180 " 5.23.87, 5.8.
186 " 6.29.88, 6.9.
358 *Hydræ.* Discovered to be variable from my observations of 1888 and 1889. Period about one year; very red. See A. J., No. 204.
190 *Virginis.* 6.8.88, 5.6; 6.29.88, 5.4.
360 *Hydræ.* 6.29.88, 6.75.
195 *Virginis.* 6.29.88, 7.05. Estimates range from 6.7 to 7.0.
... *Hydræ.* 6.4.88, 7.0. Not in U. A. Gould, 18888, 7.2.
196 *Virginis.* 6.3.88, 6.8; 6.29.88, 6.9.
198 " 6.3.88, 5.7; 6.29.88, 5.75.
201 " 6.8.87, 7.0; 6.3.88, 7.0. Estimates range from 6.7 to 7.0.
362 *Hydræ.* 6.2.88, 6.95.
... " 6.2.88, 7.7. Always seen brighter than at Cordoba.
363 *Hydræ.* 6.2.88, 6.4; 6.3.88, 6.5. Estimates vary from 6.4 to 6.7.
364 *Hydræ.* 6.3.88, 7.0; 6.29.88, 6.7. Estimates range from 6.7 to 7.0.
203 *Virginis.* 6.29.88, 6.9.
204 " 5.23.87, 6.45; 6.3.88, 6.55; 6.29.88, 6.65.
... *Hydræ.* 6.2.88, 7.05. Not in U. A. Gould, 19022, 7½.
367 *Hydræ.* 6.4.88, 6.0.
207 *Virginis.* 6.3.88, 6.55; 6.4.88, 6.75; 6.29.88, 6.65.
208 " 6.3.88, 6.55. Always seen fainter than at Cordoba.
210 *Virginis.* 6.3.88, 6.75; 6.29.88, 6.45.
211 " 6.29.88, 7.0; 5.18.89, 6.9. Estimates range progressively from 6.7 to 7.0.
212 *Virginis.* 6.29.88, 6.75.
214 " 6.4.88, 6.8; 6.29.88, 6.65.
368 *Hydræ.* 6.2.88, 3.55; red.
215 *Virginis.* 6.29.88, 6.75.
216 " 6.29.88, 6.8.
... " 6.9.90, 7.0. Not in U. A.
218 " 6.8.87, 7.0.
219 " 5.23.87, 5.6; 6.8.88, 5.6; red; generally 5.6; but once as 5.3.
369 *Hydræ.* 6.8.88, 6.9.
223 *Virginis.* 6.8.88, 4.6. Always seen fainter than at Cordoba.
224 *Virginis.* 6.4.88, 6.25.
372 *Hydræ.* 6.8.88, 6.25.
226 *Virginis.* 6.8.88, 5.85.
229 " 6.8.88, 6.75.
230 " 5.14.87, 6.2; 5.23.87, 6.3; 5.6.88, 6.5; 6.1.88, 6.4; 6.4.88, 6.4; 7.3.88, 6.4. Gould, variable? Estimates range from 6.1 to 6.6, and apparently confirm variability; but further watching is necessary to completely establish this fact. See note, A. J., No. 184.
232 *Virginis.* 6.8.88, 7.1; 7.3.88, 6.85.
236 " 7.3.88, 6.2.
373 *Hydræ.* 6.4.88, 7.05.
374 " 6.4.88, 6.25.
237 *Virginis.* Always seen brighter than at Cordoba.
238 " 5.6.88, 5.8; 6.4.88, 5.7. Gould, variable? My observations furnish no evidence of change.
239 *Virginis.* 6.30.86, 6.3; 5.6.88, 6.45; 6.1.88, 6.4; 6.4.88, 6.45. Gould, variable? No evidence of variation furnished from my observations. See note, A. J., No. 184.

241 *Virginis.* 6.1.88, 7.0; 6.4.88, 6.9.
375 *Hydræ.* 5.14.87, 5.0; 6.2.88, 5.1; 6.4.88, 5.15; once observed as faint as 5.5.
242 *Virginis.* 6.4.88, 6.85.
376 *Hydræ.* 6.4.88, 7.05.
1 *Libræ.* 6.4.88, 6.55.
243 *Virginis.* 5.23.87, 6.6; 6.4.88, 6.75. Estimates range from 6.6 to 6.9.
... *Libræ.* 6.4.88, 6.9.
2 " 6.8.88, 6.75.
3 " 6.4.88, 5.8; 6.8.88, 5.65; 6.11.88, 5.6.
4 " 6.4.88, 6.65.
377 *Hydræ.* 6.4.88, 7.05.
6 *Libræ.* 6.4.88, 6.8.
378 *Hydræ.* 6.4.88, 6.95.
379 " 6.2.88, 5.1; 6.3.88, 4.9; 6.4.88, 4.9; 7.6.88, 4.95. Estimates range from 4.6 to 5.1.
245 *Virginis.* 6.8.88, 6.35; 7.3.88, 6.5.
7 *Libræ.* 6.4.88, 6.65.
246 *Virginis.* 6.30.86, 5.3; 5.23.87, 5.25; 6.2.88, 5.3; 6.4.88, 5.25; 6.8.88, 5.15; 7.3.88, 5.15. Gould, variable. Of my nine observations, only one, the first, made in 1882, is discordant, 5.6; the others range only from 5.15 to 5.35, and furnish but slight evidence of change. See A. J., No. 184.
8 *Libræ.* 6.4.88, 6.9.
247 *Virginis.* 6.8.88, 6.05; 7.3.88, 6.1.
249 " 6.8.88, 6.65; 7.3.88, 6.75.
250 " 5.23.87, 6.25; 6.4.88, 6.25.
251 " 6.8.88, 6.95; 7.3.88, 6.9.
... " 6.8.88, 7.2; 7.3.88, 7.15.
380 *Hydræ.* 5.14.87, 7.2; 6.8.88, 7.1; 7.6.88, 6.85. Generally seen below 7.0.
381 *Hydræ.* 6.8.88, 7.1; 7.6.88, 6.85.
12 *Libræ.* 6.2.88, 6.0; 6.8.88, 5.95; 6.11.88, 5.95.
255 *Virginis.* 6.8.88, 3.85; 7.3.88, 4.15. Estimates range from 3.85 to 4.2.
15 *Libræ.* 5.23.87, 6.25; 6.10.87, 6.2; 6.13.87, 6.25; 6.8.88, 6.15; 6.11.88, 6.3. Once estimated as 6.5; but generally 6.15 to 6.3.
16 *Libræ.* 6.13.87, 6.7; 6.4.88, 6.75; 6.11.88, 6.75.
17 " 6.6.88, 6.75; 6.11.88, 6.65. Always seen brighter than at Cordoba.
18 *Libræ.* 5.23.87, 6.55; 6.10.87, 6.7; 6.13.87, 6.45; 6.24.87, 6.65; 6.8.88, 6.55; 6.11.88, 6.55; 7.6.88, 6.7. Two observations in 1882 and 1884 agree with Cordoba estimates, 6.4; since which our numerous estimates are quite discordant, ranging from 6.45 to 6.8.
386 *Hydræ.* 6.2.88, 5.9; 6.8.88, 6.2.
19 *Libræ.* 7.6.88, 6.75.
21 " 5.23.87, 6.15; 6.8.88, 6.1; 6.11.88, 6.2.
22 " 6.13.87, 5.55; 6.4.88, 5.5; 6.11.88, 5.5. Always estimated brighter than at Cordoba.
23 *Libræ.* 6.8.88, 6.15; 7.6.88, 6.15.
387 *Hydræ.* 6.4.88, 4.6.
25 *Libræ.* 7.3.88, 6.2. Very difficult; near bright star; estimates range from 6.2 to 6.6.
261 *Virginis.* 6.8.87, 6.65; 6.4.88, 6.45; 6.8.88, 6.45; 7.6.88, 6.5. Always seen fainter than at Cordoba; estimates range from 6.4 to 6.7.
29 *Libræ.* 7.3.88, 6.5.
388 *Hydræ.* 6.2.88, 7.25; 6.8.88, 7.3. Always seen below 7.2, although Gould has 7.0.
30 *Libræ.* 6.8.88, 5.85; 6.11.88, 5.8.
31 " 7.3.88, 6.05.
390 *Hydræ.* 7.6.88, 6.9.
391 " 6.3.88, 6.5; 6.8.88, 6.4.
32 *Libræ.* 6.11.88, 5.8.
33 " 6.27.87, 6.15.
392 *Hydræ.* 6.2.88, 6.0.
... *Libræ.* 6.11.88, 6.9.
36 " 6.11.88, 6.5.
37 " 6.8.88, 6.2. Always seen brighter than at Cordoba.
39 *Libræ.* 6.8.88, 6.3; 7.6.88, 6.25. Always seen fainter than at Cordoba.
41 *Libræ.* Always observed as 7.1.
45 " 6.10.87, 3.7; 6.8.88, 3.85; 7.6.88, 3.8. Difficult; estimates range from 3.6 to 4.2; red.
... *Libræ.* 7.6.88, 7.0.
47 " 6.9.88, 6.55; 7.6.88, 6.5.
48 " 6.4.88, 5.75.
49 " 6.4.88, 6.75. Difficult; near bright star.
51 " 7.6.88, 6.25.
53 " 6.4.88, 6.8.
56 " 7.6.88, 6.8. Double.
57 " 7.3.88, 6.45.
59 " 6.10.87, 6.2; 6.13.87, 6.25; 6.4.88, 6.25; 6.9.88, 6.2. Six observations range only from 6.15 to 6.25; but once estimated as 6.5.
60 *Libræ.* 6.4.88, 6.7.
1 *Serpentis Cap.* 6.9.88, 6.8; 7.6.88, 6.9. Estimates have progressively decreased from 6.6 to 6.9.
63 *Libræ.* 6.8.88, 6.8.
3 *Serpentis Cap.* 6.9.88, 6.0.
65 *Libræ.* 6.27.87, 2.8.
6 *Serpentis Cap.* 6.9.88, 6.55; 7.6.88, 6.5; red.
8 " " 6.9.88, 6.85.
66 *Libræ.* 6.9.88, 6.9.
67 " 6.9.88, 7.1. Generally seen below 7.0.
68 " 6.26.86, 6.65; 6.4.88, 6.55.
70 " 7.3.88, 6.1. This star has apparently brightened from 6.4 in 1884 to 6.1 in 1888.
71 *Libræ.* 7.6.88, 6.0.
10 *Serpentis Cap.* 6.9.88, 6.65.
73 *Libræ.* 7.6.88, 6.9.
75 " 7.6.88, 6.35. Generally 6.3 or 6.4; but once estimated as 6.1.
12 *Serpentis Cap.* 6.9.88, 6.3.

77 *Libræ*. 6.4.88, 6.25; 6.11.88, 5.85; 7.3.88, 6.15. Estimates discordant, and range from 5.85 to 6.25. Variable?
79 *Libræ*. 6.27.87, 6.6; 6.9.88, 6.6.
80 " 6.26.86, 7.1; 6.4.88, 6.8.
82 " 6.4.88, 6.45; 6.11.88, 6.1; 7.3.88, 6.15. Generally estimated as 6.1 or 6.15; but once seen as 6.45.
84 *Libræ*. 7.3.88, 5.9.
85 " 7.3.88, 6.85.
86 " 7.6.88, 6.6.
87 " 6.4.88, 5.75; 7.3.88, 5.75.
88 " 6.9.88, 6.05. The estimates of this red star are discordant, ranging from 5.7 to 6.2. Variable?
90 *Libræ*. 6.27.87, 5.6; 6.9.88, 5.75.
91 " 6.27.87, 6.85; 7.3.88, 6.8.
92 " 6.11.88, 4.45; 7.6.88, 4.5.
93 " 6.20.86, 4.15; 6.9.88, 4.0. Estimates range from 3.95 to 4.3.
94 *Libræ*. 6.9.88, 6.45; 7.6.88, 6.35. Estimates vary from 6.35 to 6.65.
95 *Libræ*. 6.4.88, 7.0; 7.6.88, 7.2. Generally observed fainter than 7.0.
19 *Serpentis Cap*. 7.6.88, 6.8.
96 *Libræ*. 6.4.88, 6.5.
97 " 6.27.87, 6.7. Difficult; near bright star.
98 " 6.9.88, 3.7; 7.6.88, 3.95.
99 " 6.27.87, 6.4; 6.4.88, 6.5. Estimates range from 6.3 to 6.6.
101 *Libræ*. 7.3.88, 6.0.
102–3 " 6.9.88, 6.2.
104 " 7.6.88, 6.65; 7.7.88, 6.7.
106 " 6.4.88, 5.45; 7.3.88, 5.75; red. Estimates range from 5.35 to 5.75.
107 *Libræ*. 6.27.87, 6.9; 6.9.88, 6.9; 6.11.88, 6.8.
109 " 6.27.87, 5.7; 6.9.88, 5.75.
24 *Serpentis Cap*. 6.9.88, 5.8.
111 *Libræ*. Difficult; no good comparison-stars near.
1 *Scorpii*. 5.25.87, 7.1; 6.14.87, 7.2; 6.8.88, 7.1. Generally seen below 7.0.
27 *Serpentis Cap*. 6.27.87, 3.4.
2 *Scorpii*. 6.14.87, 5.3; 7.7.88, 5.3.
3 " 6.14.87, 5.1; 7.7.88, 5.1.
4 " 6.14.87, 5.9; 7.7.88, 5.9.
5 " 7.7.88, 6.0.
6 " 6.6.86, 6.8; 6.14.87, 6.6; 7.3.88, 6.6. Generally 6.6 or 6.8; but once observed as 7.0.
7 *Scorpii*. 6.26.86, 6.55; 5.25.87, 6.5; 6.14.87, 6.6; 7.3.88, 6.7; 7.7.88, 6.65. Estimates range from 6.5 to 6.8.
116 *Libræ*. 6.25.88, 6.5; 7.6.88, 6.4; 8.29.88, 6.4.
8 *Scorpii*. 6.26.86, 6.25; 6.14.87, 6.4; 7.7.88, 6.3.
9 " 6.9.88, 4.4.
117 *Libræ*. 6.9.88, 6.4; 6.11.88, 6.6.
118 " 6.9.88, 6.4; 6.11.88, 6.35; 7.6.88, 6.45.
11 *Scorpii*. 6.14.87, 5.9; 6.18.87, 5.9; 7.3.88, 6.1; 7.7.88, 6.1; red.
119 *Libræ*. 6.9.88, 5.15.
12 *Scorpii*. 6.4.86, 2.9; 6.30.86, 3.35; 5.25.87, 3.15; 6.9.88, 3.1; 7.3.88, 3.1. Estimates range from 2.9 to 3.4.
13 *Scorpii*. 6.4.86, 2.4; 6.9.88, 2.6; 7.3.88, 2.6. Estimates range from 2.3 to 2.6.
121 *Libræ*. 6.9.88, 6.1; 7.3.88, 6.0. Generally seen as 6.0 or 6.1; but once estimated as 5.8.
122 *Libræ*. 6.27.87, 5.9; 6.9.88, 5.9. Estimates discordant, and range from 5.8 to 6.3. Variable?
1 *Ophiuchi*. 6.27.87, 7.1; 6.9.88, 7.0; 7.3.88, 7.1.
15 *Scorpii*. 5.27.87, 5.85; 6.14.87, 5.9; 7.7.88, 5.75. Estimates range from 5.6 to 5.95.
16 *Scorpii*. 6.14.87, 6.85; 6.18.87, 6.9.
17 " 6.9.88, 4.55.
18 " 6.4.86, 2.6.
37 *Serpentis Cap*. 9.8.87, 7.0; 6.9.88, 7.1; 7.3.88, 7.1.
19 *Scorpii*. 6.14.87, 6.45; 6.18.87, 6.4; 6.9.88, 6.4; 7.3.88, 6.5. Estimates range from 6.2 to 6.5.
2 *Ophiuchi*. 9.8.87, 6.8; 6.9.88, 6.8.
3 " 6.9.88, 6.9.
20 *Scorpii*. 6.5.86, 4.4; 6.9.88, 4.55.
21 " 6.5.86, 4.7; 6.20.86, 4.65; 6.12.87, 4.75; 6.9.88, 4.55; 7.3.88, 4.75. Estimates range from 4.3 to 4.75.
22 *Scorpii*. 6.2.88, 6.5; 6.3.88, 6.6.
24 " 6.18.87, 6.7.
25 " 6.12.87, 6.25; 6.13.87, 6.25; 6.14.87, 6.25; 6.9.88, 6.35. Six observations range only from 6.25 to 6.35; but once estimated as bright as 5.9; red.
26 *Scorpii*. 6.9.88, 6.1.
27 " 6.18.87, 6.3; 6.9.88, 6.2.
29 " 8.27.89, 6.9.
32 " 6.18.87, 6.9.
43 *Serpentis Cap*. 9.8.87, 6.2. Always estimated fainter than at Cordoba.
36 *Scorpii*. 6.26.87, 6.15; 6.2.88, 5.9; 6.4.88, 5.9; 6.9.88, 6.2. The estimates of this red star (a suspected variable from the Cordoba observations) range from 5.9 to 6.3, yet furnish no positive evidence of change.
38 *Scorpii*. 6.5.86, 4.25; 6.12.87, 4.15. Estimates range from 3.9 to 4.25.
39 *Scorpii*. 6.9.88, 5.35.
41 " 6.14.87, 6.7; 6.18.87, 6.7.
5 *Ophiuchi*. 9.8.87, 6.7; 6.9.88, 6.9. The estimates progressively decrease from 6.6 in 1884 to 6.9 in 1888.
44 *Scorpii*. 6.9.88, 5.75; red.
6 *Ophiuchi*. 9.8.87, 7.2; 6.9.88, 7.1. Generally seen below 7.0.
46 *Scorpii*. 6.18.87, 6.4.
48 " 6.2.88, 6.3. Gould, variable. No evidence of change furnished from my four observations.
50 *Scorpii*. 6.18.87, 6.9.

47 *Serpentis Cap.* 6.29.88, 7.2. Always seen fainter than 7.0.
8 *Ophiuchi.* 9.8.87, 6.9; 6.9 88, 6.9. Generally 6.9; but once seen as 6.6.
... *Scorpii.* 7.1.89, 7.4; 8.27.89, 7.3.
... " 7.1.89, 7.5; 8.27.89, 7.4.
59 " 6.14.87, 5.2; 6.2.88, 5.45; 6.3.88, 5.2; 6.4.88, 5.2; 6.9.88, 5.1. Estimates of this red star vary from 4.9 to 5.45; but generally 5.2.
61 *Scorpii.* 6.4.86, 3.5; 6.3.86, 3.5; 6.9.88, 3.55; red.
63 " Always seen below 7.0.
10 *Ophiuchi.* 9.8.87, 6.6.
11 " 6.14.87, 5.05; 6.9.88, 4.95.
67 *Scorpii.* 6.13.87, 5.9; 6.14.87, 5.95.
12–13 *Ophiuchi.* 6.9.88, 4.75.
14 " 9.8.87, 7.1; 6.11.88, 7.0. Generally seen below 7.0.
15 *Ophiuchi.* 6.13.87, 4.9; 6.14.87, 4.65; 6.2.88, 5.05; 6.3.88, 4.95; 6.4.88, 4.95; 6.9.88, 4.9. Gould, variable? My nine estimates range from 4.6 to 5.05; yet I see no reason to suspect variation.
17 *Ophiuchi.* 6.9.88, 5.9; red.
20 " 6.13.87, 6.75.
70 *Scorpii.* 6.14.87, 5.1; 6.9.88, 4.95. Always estimated brighter than at Cordoba.
... *Ophiuchi.* 6.13.87, 7.0; 7.1.89, 7.0; 8.27.89, 7.0. Not in U. A. Gould, 22338, 7¼; SDM. 10°, 4327, 7.0.
23 *Ophiuchi.* 6.13.87, 6.7; 6.9.88, 6.65.
24 " 6.9.88, 4.65.
26 " 6.9.88, 4.7.
75 *Scorpii.* 6.4.86, 3.2; 6.9.88, 3.35.
... *Ophiuchi.* 6.9.88, 6.95; 6.30.89, 6.9; 8.27.89, 6.9. Gould, 22477, 7½; SDM. 16°, 4270, 6.8. Not in U. A.
30 *Ophiuchi.* 9.8.87, 6.3; 6.9.88, 6.2.
31 " 9.8.87, 6.95; 6.9.88, 6.95.
32 " 6.11.88, 7.0.
34 " 6.11.88, 6.6.
33 " 6.9.88, 6.8.
35 " 6.9.88, 6.8.
82 *Scorpii.* 6.11.88, 6.95.
36 *Ophiuchi.* 6.11.88, 6.3. Difficult; no good comparison-stars near.
37 *Ophiuchi.* 6.11.88, 7.05.
39 " 6.12.87, 5.4; 6.13.87, 5.35; 6.14.87, 5.5. Estimates range from 5.2 to 5.6.
88 *Scorpii.* 6.11.88, 6.95.
89 " 6.11.88, 6.75.
90 " 6.11.88, 6.45.
92 " 6.11.88, 7.05.
47 *Ophiuchi.* 6.9.88, 6.75; 6.11.88, 6.8.
49 " 6.14.87, 5.15. Generally 5.15 or 5,2; but once estimated as 4.8.
54 *Ophiuchi.* 6.11.88, 6.3.
57 " 6.11.88, 6.8.
59 *Ophiuchi.* 9.9.87, 6.9; 9.10.87, 6.85; 6.11.88, 6.9. Generally 6.8 or 6.9; but once estimated as 6.5.
62 *Ophiuchi.* 6.11.88, 6.6.
68 " 6.11.88, 6.75.
70 " Gould, variable. I have over forty observations of this star (not given in detail), and not the slightest evidence of variability is furnished; red. See A. J., No. 184.
78 *Ophiuchi.* 6.11.88, 6.95.
82 " 6.11.88, 6.0.
80 " 6.11.88, 6.6.
84 " 6.11.88, 6.5.
85 " 6.11.88, 6.55.
86 " 6.11.88, 6.25; 6.29.88, 6.2.
89 " 6.11.88, 7.0.
90 " 9.16.87, 2.6.
91 " 7.6.88, 6.7; 9.28.88, 6.8. Always seen fainter than at Cordoba.
93 *Ophiuchi.* 6.11.88, 6.9; 9.27.88, 6.95; 9.28.88, 6.95.
94 " 6.11.88, 6.65.
95 " 6.11.88, 6.35; 9.28.88, 6.3.
98 " 6.11.88, 6.9; 9.27.88, 6.95; 9.28.88, 6.95.
99 " 6.11.88, 6.95; 9.27.88, 6.95; 9.28.88, 6.95.
106 " 6.27.88, 6.95; 6.28.88, 6.95.
107 " 9.24.88, 7.05; 9.28.88, 7.15. Generally seen below 7.0.
... *Ophiuchi.* 9.28.88, 7.05. Not in U. A. Gould, 23408, 7.4.
110 *Ophiuchi.* Discovered to be a remarkable variable of the Algol type in 1881. Period, $0^d\ 20^h\ 7^m\ 41^s.6\ E - 0^s.0002\ E^2$; limits of variation, 6.0 to 6.7.
114 *Ophiuchi.* 9.28.88, 6.9.
115 " 10.8.88, 6.8.
116 " 9.26.88, 6.9; 9.28.88, 69.
118 " 9.24.88, 6.6.
122 " 7.6.88, 6.6.
124 " 7.6.88, 4.75. Generally seen brighter than at Cordoba.
1 *Serpentis Cau.* 6.29.88, 4.45.
125 *Ophiuchi.* 10.8.88, 6.9; red; difficult.
126 " 7.6.88, 3.7; 9.28.88, 3.75. Difficult; no good comparison-stars near.
127 *Ophiuchi.* 6.29.88, 7.2. Difficult; near bright star; yet always seen below 7.0.
128 *Ophiuchi.* 9.26.88, 5.9; red.
131 " 9.24.88, 6.55.
3 *Serpentis Cau.* 10.8.88, 6.8.
132 *Ophiuchi.* 7.6.88, 6.4; 9.28.88, 6.35.
133 " 7.3.88, 6.45.
135 " 7.6.88, 4.7; red.
136 " 9.28.88, 6.6.
139 " 9.28.88, 4.7.
140 " 6.11.88, 6.55; 6.29.88, 6.5; 7.3.88, 6.6. Very difficult; near bright star. Estimates very discordant, and range from 6.3 to 7.0.

141 *Ophiuchi.* 6.29.88, 4.65. Always seen fainter than at Cordoba.
4 *Serpentis Cau.* 10.8.88, 6.8.
5 " " 9.24.88, 6.65; 9.28.88, 6.45.
146 *Ophiuchi.* 6.29.88, 5.55. Generally seen as 5.5; but once estimated as 5.8.
147 *Ophiuchi.* 6.29.88, 6.8.
149 " 9.24.88, 5.15. Gould, variable? My four observations are accordant, and furnish no evidence of change.
150 *Ophiuchi.* 11.9.87, 5.75.
151 " 7.6.88, 6.0; 9.24.88, 6.2. Difficult; estimates range from 5.9 to 6.3.
153 *Ophiuchi.* 9.26.88, 5.8.
6 *Serpentis Cau.* 9.24.88, 5.7.
7 " " 9.24.88, 6.85.
8 " " 7.6.88, 3.95.
9 " " 9.10.87, 6.65; 9.16.87, 6.7; 6.29.88, 6.6; 9.24.88, 6.65. Difficult; near bright star. Estimates discordant, and range from 6.5. to 6.9.
157 *Ophiuchi.* 7.3.88, 4.7.
10 *Serpentis Cau.* 9.24.88, 6.25.
158 *Ophiuchi.* 7.6.88, 6.65. Always seen brighter than at Cordoba.
162 *Ophiuchi.* 7.6.88, 6.7; 9.24.88, 6.55.
11 *Serpentis Cau.* 7.6.88, 4.45.
163 *Ophiuchi.* 9.16.87, 6.7; 6.11.88, 6.55. Always seen brighter than at Cordoba.
165 *Ophiuchi.* 9.28.88, 5.4.
166 " 9.24.88, 6.9; 9.28.88, 7.2. Difficult.
1 *Sagittarii.* 9.24.88, 6.85.
12 *Serpentis Cau.* 10.13.87, 6.8; 10.15.87, 6.8; 10.17.87, 6.75; 9.24.88, 6.65. Observations discordant, and range from 6.4 to 6.8.
3 *Sagittarii.* 7.10.88, 6.75.
13 *Serpentis Cau.* 9.24.88, 6.15.
4 *Sagittarii.* 9.16.87, 6.6; 6.11.88, 6.65. Four estimates very accordant, 6.6 or 6.65; yet once observed as 6.9.
5 *Sagittarii.* 9.16.87, 7.1; 6.11.88, 7.0; 9.24.88, 6.95; 9.26.88, 7.05. Generally seen below 7.0.
7 *Sagittarii.* 10.19.86, 7.2; 9.16.87, 7.0; 6.11.88, 6.85; 9.24.88, 6.95; 9.26.88, 7.05. Observations very discordant, and range from 6.45 to 7.2. Variable?
175 *Ophiuchi.* 7.6.88, 6.95; 9.24.88, 6.4; 9.28.88, 6.6; 9.29.88, 6.65; 10.8.88, 6.45. Discovered to be a variable of short period in 1888. (See A. J., No. 210.) From a final discussion of all my observations to the present time (1891), I have adopted the following as the best attainable elements: 1882, September 4.428 Green. M. T. $+17^d.125641$ E for the epoch of maximum. The minimum occurs earlier by $6^d.250$. The variation is about eight tenths of a magnitude, or from 6.2 to 6.95.
178 *Ophiuchi.* 9.16.87, 7.0; 7.6.88, 6.85.
15 *Serpentis Cau.* 6.29.88, 6.8.
8 *Sagittarii.* 7.6.88, 6.45; 10.8.88, 6.5. Difficult; no good comparison-stars near.
9 *Sagittarii.* 10.24.86, 6.65; 7.3.88, 6.95; 9.24.88, 6.65; 9.26.88, 6.65; 9.27.88, 6.65; 9.28.88, 6.65. Generally observed as 6.6 or 6.65; but twice estimated as faint as 6.95. Variable?
10 *Sagittarii.* 6.11.88, 6.05; 9.24.88, 5.95.
11 " 7.6.88, 7.0; 7.10.88, 6.95.
16 *Serpentis Cau.* 9.28.88, 6.0.
183 *Ophiuchi.* 7.6.88, 5.7.
13 *Sagittarii.* 10.19.86, 6.4; 9.16.87, 6.2; 6.11.88, 6.25; 9.24.88, 6.2. Generally 6.2 or 6.3; but once estimated as bright as 5.95.
14 *Sagittarii.* 9.24.88, 5.6.
186 *Ophiuchi.* 9.16.87, 3.6.
16 *Sagittarii.* 10.24.86, 6.75; 7.3.88, 6.75. Estimates range from 6.6 to 6.9.
187 *Ophiuchi.* 9.10.87, 6.35; 7.6.88, 6.4. Always seen fainter than at Cordoba.
18 *Sagittarii.* 9.24.88, 7.0.
21 " 7.10.88, 6.35; 9.28.88, 6.35.
... " 7.10.88, 7.2.
19 " 7.10.88, 6.9.
194 *Ophiuchi.* 9.16.87, 6.8; 6.29.88, 6.85; 7.6.88, 6.85. Estimates quite discordant, and range from 6.6 to 7.1.
24 *Sagittarii.* 10.13.87, 6.1; 7.10.88, 6.6; 9.24.88, 6.4. Cum.; difficult; estimates range from 6.1 to 6.6.
23 *Sagittarii.* 10.15.87, 6.8; 6.10.88, 6.8; 8.27.89, 7.2; 9.19.89, 7.0. Difficult. Neb.?
28 *Sagittarii.* 9.16.87, 3.0; 7.3.88, 3.3. Gould, variable; red. The estimates of this bright red star range from 3.0 to 3.4. Difficult; evidence of change considered slight.
19 *Serpentis Cau.* 6.29.88, 5.8; 9.24.88, 6.1; 9.26.88, 6.1. Difficult; estimates range from 5.8 to 6.2.
20 *Serpentis Cau.* 6.29.88, 5.85; 7.6.88, 6.0.
30 *Sagittarii.* 9.24.88, 6.5.
32 " 10.8.88, 5.95.
34 " 10.15.87, 7.0; 10.17.87, 7.0; 10.19.87, 7.0.
35 " This star was apparently observed in the years 1882 and 1886, and estimated to be 6.9 and 7.1 respectively. A third observation in 1887 found the star to be 8.0. Numerous observations since have invariably found it either 7.9 or 8.0. These discordances would imply variation; but I have a suspicion that a neighboring star, Gould, 24685, 7^m, was mistaken for 35 *Sagittarii* in the case of the observations of 1882 and 1886, and this star may also have been observed at Cordoba. It should receive further attention. Var.?
37 *Sagittarii.* 10.22.88, 5.9; 10.25.88, 5.95.
40 " 7.10.88, 5.7. Difficult; red.
25 *Serpentis Cau.* 9.15.87, 7.0; 10.12.87, 7.0; 7.10.88, 6.9; 8.22.89, 6.95. This star has apparently faded from 6.6 in 1882 to 7.0 in 1887.

26 *Serpentis Cau.* 9.15.87, 6.7; 7.10.88, 6.75.
42 *Sagittarii.* 7.3.88, 6.1; red.
43 " 7.3.88, 5.7.
44 " 7.10.88, 6.15; 9.24.88, 6.2. Always estimated brighter than at Cordoba by nearly half a magnitude.
45 *Sagittarii.* 7.10.88, 6.3. This star also observed brighter than at Cordoba.
27 *Serpentis Cau.* 9.15.87, 6.7; 7.10.88, 6.7; 8.22.89, 6.6. Estimates range from 6.4 to 6.7.
49 *Sagittarii.* 9.26.88, 6.7. Estimates vary from 6.4 to 6.7.
50 *Sagittarii.* 10.19.86, 6.6; 7.3.88, 6.65; 7.10.88, 6.5. Estimates range from 6.3 to 6.65.
51 *Sagittarii.* 9.16.87, 5.15; 7.10.88, 5.2; red. Difficult; no good comparison-stars near.
52 *Sagittarii.* 11.5.87, 6.95; 7.10.88, 6.9.
28 *Serpentis Cau.* 9.15.87, 6.5; 7.10.88, 6.55.
29 " " 9.24.88, 6.6.
... *Sagittarii.* 9.24.88, 6.95.
30 *Serpentis Cau.* 9.26.88, 6.95. Cum.
... *Sagittarii.* 9.24.88, 6.9. Difficult.
31 *Serpentis Cau.* 8.29.88, 6.75. Neb.; estimates range from 6.55 to 6.9.
54 *Sagittarii.* 7.3.88, 3.0; red; always estimated fainter than at Cordoba.
56 *Sagittarii.* 10.13.87, 6.9; 7.10.88, 6.7; 10.8.88, 6.9. Gould, variable from 6 to 7½. My observations furnish no evidence of change.
57 *Sagittarii.* Discovered to be a variable of short period in 1886. Dr. Chandler's latest elements give for the epoch of maximum, 1886, September $25^d.31 + 5^d.7690$ E. The variation is from 5.8 to 6.6.
34 *Serpentis Cau.* 11.9.87, 3.5.
3 *Scuti.* 8.29.88, 5.05; 10.8.88, 5.4; 10.24.88, 5.05. Estimates range from 5.0 to 5.4.
36 *Serpentis Cau.* 10.12.87, 6.55; 10.15.87, 6.7; 10.17.87, 6.65; 10.19.87; 6.55; 7.16.88, 6.45; 10.30.88, 6.8; 10.31.88, 6.8; 8.22.89, 6.55. The eleven estimates of this star are quite discordant, ranging from 6.4 to 6.8. Variable?
65 *Sagittarii.* 10.19.86, 5.4; 9.16.87, 5.4; 10.13.87, 5.35; 7.10.88, 5.3; very red. Estimates range from 4.95 to 5.4. Should be further watched.
67 *Sagittarii.* 7.3.88, 3.1; red. Always estimated fainter than at Cordoba.
5 *Scuti.* 8.29.88, 6.8.
73 *Sagittarii.* 10.8.88, 6.8. Difficult.
7 *Scuti.* 8.29.88, 6.55.
74 *Sagittarii.* 9.16.87, 6.0; 7.10.88, 6.3. Estimates range from 6.0 to 6.3.
8 *Scuti.* 8.30.88, 6.7.
76 *Sagittarii.* 10.13.87, 5.2; 7.10.88, 5.2. Estimates range from 5.0 to 5.4, and always seen brighter than at Cordoba.
9 *Scuti.* 8.29.88, 5.9.
... " 9.22.89, 7.0; 10.16.89, 7.0. **Not in U. A. SDM.** 14°, 5098, 7.0.
48 *Serpentis Cau.* 8.30.88, 6.25.
10 *Scuti.* 10.24.86, 6.45; 9.14.87, 6.25; 10.17.87, 6.25; 10.19.87, 6.25; 8.29.88, 6.4; 9.26.88, 6.3; very red; difficult. Eight observations range only from 6.25 to 6.45; but once estimated as 6.0.
78 *Sagittarii.* 7.10.88, 6.1; red.
11 *Scuti.* 10.12.87, 6.1; 10.17.87, 6.1; 10.19.87, 6.1; 8.29.88, 6.2. Estimates range from 6.0 to 6.3 and always seen brighter than at Cordoba.
80 *Sagittarii.* 10.13.87, 6.8; red.
13 *Scuti.* 9.14.87, 5.75; 8.29.88, 5.5. Estimates range from 5.35 to 5.8. Variable?
14 *Scuti.* 9.14.87, 3.7; 8.30.88, 3.8; 9.26.88, 3.6. Gould, variable. Estimates range from 3.55 to 4.0; but difficult to observe.
81 *Sagittarii.* 7.10.88, 6.35. Neb. Always seen fainter than at Cordoba.
15 *Scuti.* 8.29.88, 6.65.
86 *Sagittarii.* 7.10.88, 6.2.
87 " 7.10.88, 7.0.
17 *Scuti.* 10.24.86, 6.8; 9.10.87, 6.6; 9.14.87, 6.5; 10.12.87, 6.65; 10.19.87, 6.65; 8.30.88, 6.4; 9.22.89, 6.6; red. Estimates are very discordant, ranging from 6.25 to 6.9. Variable?
88 *Sagittarii.* 10.30.88, 6.45.
18 *Scuti.* 10.24.86. 6.9; 9.14.87, 6.6; 8.29.88, 6.65; 8.22.89, 6.7. Estimates range from 6.55 to 6.9.
19 *Scuti.* 9.14.87, 5.1; 8.30.88, 5.05; 9.26.88, 4.95.
89 *Sagittarii.* 7.10.88, 7.0.
20 *Scuti.* 8.30.88, 6.65.
21 " 9.14.87, 5.35; 8.29.88, 5.2; 8.30.88, 5.35; 9.26.88, 5.05; 10.30.88, 5.15; 9.22.89, 5.3. Estimates quite discordant, and range from 5.05 to 5.55. Variable?
92 *Sagittarii.* 7.10.88, 7.0.
22 *Scuti.* 8.30.88, 6.75.
94 *Sagittarii.* 10.13.87, 6.1; 11.9.87, 6.05; 7.10.88, 5.9.
95 " 7.16.84, 3.2; 9.16.87, 3.2; 7.3.88, 3.2; 9.26.88, 3.45. Estimates range from 3.1 to 3.5. It is always seen brighter than at Cordoba.
96 *Sagittarii.* 7.10.88, 6.75. From 6.45 in 1882, this star apparently faded to 6.75 in 1888.
97 *Sagittarii.* 10.13.87, 7.0; 7.10.88, 7.0. Difficult.
1 *Aquilæ.* 10.12.87, 7.05.
98 *Sagittarii.* 7.10.88, 7.0.
99 " 10.19.86, 6.15; 9.10.87, 5.7; 9.15.87, 5.8; 10.13.87, 5.65; 7.10.88, 5.65. The estimates of this red star are discordant, and range from 5.65 to 6.25. Variable?
24 *Scuti.* 10.12.87, 4.6; 9.26.88, 4.5. Four estimates vary only from 4.5 to 4.7; yet this star was once estimated as bright as 4.15.

27 *Scuti.* 10.30.88, 6.5; 9.22.89, 6.55.
103 *Sagittarii.* 10.15.87, 6.45; 10.17.87, 6.55; 10.19.87, 6.45. The first observation of this star, made in 1882, agrees with the Cordoba results, 6.8; but subsequent observations, five in number, all made in 1887, invariably make the star one third of a magnitude brighter.
104 *Sagittarii.* 10.18.88, 5.8; 10.24.88, 5.8. Gould, variable? My estimates, five in number, range from 5.5 to 5.8; but do not furnish sufficient corroborative evidence of change; further observations desirable.
27 *Scuti.* 10.30.88, 6.5; 9.22.89, 6.55.
4 *Aquilæ.* 11.9.87, 6.5.
105 *Sagittarii.* 9.15.87, 6.7; 7.10.88, 6.7.
28 *Scuti.* 10.12.87, 6.8.
29 " 8.30.88, 6.4.
... *Aquilæ.* 10.22.86, 7.5; 11.22.86, 7.15; 10.12.87, 7.3; 8.30.88, 7.5; 8.22.89, 7.5. Estimates range from 7.1 to 7.5; difficult; near another star.
106 *Sagittarii.* 9.15.87, 6.95; 7.10.88, 6.9.
108 " 7.10.88, 6.5; red.
31 *Scuti.* 8.30.88, 6.75.
110 *Sagittarii.* 9.15.87, 6.4; 9.16.87, 6.45; 7.10.88, 6.5. Always estimated much fainter than at Cordoba.
111 *Sagittarii.* 9.15.87, 4.9.
112 " 7.16.84, 2.3; 7.3.88, 2.6. The estimates of this bright star range from 2.2 to 2.6.
113 *Sagittarii.* 9.15.87, 5.2; red.
114 " 8.29.88, 5.8; 8.30.88, 5.8; 10.25.88, 5.7.
116 " 9.15.87, 6.05; 10.12.87, 6.05; 7.10.88, 6.1. Estimates range from 6.05 to 6.4.
117 *Sagittarii.* 8.29.88, 7.0. This star is not on the charts, although in the catalogue.
119 *Sagittarii.* 10.19.86, 5.1; 9.10.87, 5.0; 9.14.87, 5.0; 9.16.87, 4.9; 10.13.87, 5.3; 8.29.88, 5.3. Always observed brighter than at Cordoba. Estimates discordant, and range from 4.9 to 5.5. Variable?
120 *Sagittarii.* 9.26.88, 3.75; 9.30.88, 3.75; 9.22.89, 3.6.
33 *Scuti.* 10.12.87, 5.15; 8.30.88, 5.35; 9.26.88, 5.3; 8.22.89, 5.4. The estimates of this red star range from 5.1 to 5.5. Variable?
123 *Sagittarii.* 9.15.87, 6.25; 7.10.88, 6.4. Always seen brighter than at Cordoba.
124 *Sagittarii.* 8.29.88, 7.1.
128 " 10.19.86, 6.8; 9.15.87, 6.7; 7.10.88, 6.95. Estimates vary from 6.6 to 7.0.
130 *Sagittarii.* 7.16.84, 2.6; 9.16.87, 2.7; 7.3.88, 2.8. The estimates of this bright star range from 2.6 to 3.0.
9 *Aquilæ.* 9.14.87, 4.0; 9.26.88, 4.15; red.
10 " 10.15.87, 6.8; 10.24.88, 6.85. Generally 6.8; but once estimated as faint as 7.1.
11 *Aquilæ.* 8.30.88, 5.6; 9.26.88, 5.7.
135 *Sagittarii.* 9.15.87, 7.15; 7.10.88, 6.95. Usually seen below 7.0.
136 *Sagittarii.* 9.26.88, 4.0.
137 *Sagittarii.* 9.29.88, 6.9.
15 *Aquilæ.* 10.19.86, 6.0; 10.22.86, 6.0; 9.14.87, 5.75; 9.26.88, 5.85; 8.30.88, 5.75; red. Estimates discordant, and range from 5.55 to 6.0.
138 *Sagittarii.* 10.30.88, 5.95.
139 " 7.16.84, 3.6; 7.3.88, 3.5; red.
17 *Aquilæ.* 10.24.88, 7.3. This star does not appear on the charts, although in the catalogue; it has always been estimated below 7.0. Decl. +9° 27′.3, instead of −9° 27′.3. See list of errata, A. N., No. 2377, column 8.
18 *Aquilæ.* 10.24.88, 7.1. Always seen as 7.1.
19 " 9.14.87, 3.45; 10.12.87, 3.3; 8.30.88, 3.4; 9.26.88, 3.35; 10.25.88, 3.4. Difficult; estimates range from 3.0 to 3.6.
140 *Sagittarii.* 9.29.88, 6.7; red.
141 " 8.29.88, 6.25. Always seen fainter than at Cordoba.
142 *Sagittarii.* 10.25.88, 6.7. Gould, variable? Estimates range from 6.5 to 6.8.
21 *Aquilæ.* 10.12.87, 7.1. Generally seen below 7.0.
143 *Sagittarii.* 9.6.88, 6.6.
147 " 9.26.88, 3.1.
149 " 9.26.88, 6.7; 9.29.88, 6.6.
150 " 9.29.88, 6.4.
26 *Aquilæ.* 10.12.87, 7.0; 9.26.88, 7.0.
151 *Sagittarii.* 9.17.87, 7.05; 9.6.88, 7.0. Estimates range from 6.8 to 7.2.
28 *Aquilæ.* 9.26.88, 5.9.
154 *Sagittarii.* 9.29.88, 7.1; 10.3.88, 6.95.
... *Aquilæ.* 9.26.88, 7.0; 9.27.89, 6.8. Not in U. A. Gould, 26360, 7¼; SDM. 8°, 4900, 6.9.
155 *Sagittarii.* 9.30.88, 5.45.
158 " 9.26.88, 7.05; 9.29.88, 7.05; 10.3.88, 6.95.
31 *Aquilæ.* 10.12.87, 6.9; 9.26.88, 6.9.
160 *Sagittarii.* 9.17.87, 5.0; 10.12.87, 5.4; 10.15.87, 5.35; 10.17.87, 5.35; 9.6.88, 5.4; red. Estimates discordant, and range from 5.0 to 5.4.
... *Sagittarii.* 10.18.88, 6.85.
161 " Always seen fainter than at Cordoba; difficult.
... *Sagittarii.* Out of place on chart; always seen fainter than at Cordoba.
35 *Aquilæ.* 10.22.86, 5.9; red.
36 " 9.26.88, 6.9.
165 *Sagittarii.* 9.6.88, 5.7.
170 " 9.26.88, 7.0.
38 *Aquilæ.* 9.26.88, 5.7.
39 " 10.3.88, 6.75.
171 *Sagittarii.* 9.26.88, 6.9.
174 " 9.30.88, 4.0; 10.3.88, 4.1. Estimates range from 4.0 to 4.45.
175 *Sagittarii.* 9.6.88, 6.55.
176 " 9.30.88, 4.85.
41 *Aquilæ.* 9.26.88, 6.8.

43 *Aquilæ*. 9.26.88, 6.7.
181 *Sagittarii*. 9.26.88, 5.4; 9.30.88, 5.3.
182 " 10.22.86, 6.0; 10.24.86, 6.1; 9.15.87, 6.0; 9.20.87, 6.05; 9.26.88, 5.9. Gould, variable? Seven observations of this red star, extending from 1886 to 1888, range only from 5.9 to 6.1; yet it was estimated once in 1882 as bright as 5.6. Evidence of variability considered very slight. See A. J., No. 184.
184 *Sagittarii*. 10.22.86, 6.25; 10.24.86, 6.3; 9.26.88, 6.05; 9.30.88, 6.15. Always estimated fainter than at Cordoba.
45 *Aquilæ*. 9.26.88, 6.7.
187 *Sagittarii*. 10.8.88, 5.9.
188 " 10.8.88, 6.8.
47 *Aquilæ*. 10.22.86, 5.2; 10.24.86, 5.35; 11.22.86, 5.35. Estimates range from 5.0 to 5.35.
190 *Sagittarii*. 9.30.88, 7.0. Difficult; no good comparison-stars near.
191 *Sagittarii*. 10.8.88, 6.85.
50 *Aquilæ*. Discovered to be a variable of the η *Aquilæ* type in 1886. The star varies from about 6.3 to 7.3. Dr. Chandler's latest elements give for the epoch of maximum, 1886, September, 20.0, $+7^d.033$ E.
52 *Aquilæ*. 9.26.88, 6.8.
54 " 9.26.88, 5.6; red.
202 *Sagittarii*. 9.26.88, 6.85; red.
203 " 9.6.88, 6.9.
59 *Aquilæ*. 9.26.88, 5.65; red.
204 *Sagittarii*. 9.30.88, 6.0. Gould, variable, $5\frac{1}{4}$ to $6\frac{3}{4}$. Difficult to observe, as it lies near a bright star; yet my four observations are accordant, and furnish no evidence of change.
207 *Sagittarii*. 10.19.86, 4.8; 9.17.87, 4.5; 9.6.88, 4.6; 9.26.88, 4.6. Estimates vary from 4.5 to 4.95.
208 *Sagittarii*. 9.6.88, 6.1.
209 " 10.20.86, 6.0; 10.22.86, 6.1; 10.24.86, 6.0; 9.15,87, 6.15; 9.6.88, 6.0; red. Always seen fainter than at Cordoba.
... *Sagittarii*. 9.26.88, 7.1.
64 *Aquilæ*. 10.22.86, 4.7; 9.17.87, 4.55; 9.26.88, 4.75. Gould, variable? Difficult; my estimates range from 4.3 to 4.8; yet a careful inspection furnishes no positive evidence of variability.
212 *Sagittarii*. 11.14.86, 5.6; 9.15.87, 5.6; 9.26.88, 5.65.
65 *Aquilæ*. 10.24.86, 5.7; 9.17.87, 5.75; 10.12.87, 5.75; 10.17.87, 5.75; 9.26.88, 5.7. Estimates range from 5.5 to 6.0; will bear further watching.
217 *Sagittarii*. 9.26.88, 6.5; 9.30.88, 6.6. Difficult; near another star.
218 *Sagittarii*. 9.15.87, 6.2; 9.26.88, 6.2.
219 " 9.26.88, 6.8.
221 " 9.6.88, 5.6; red.
70 *Aquilæ*. 9.26.88, 6.1. Always seen fainter than at Cordoba.
223 *Sagittarii*. 9.26.88, 6.85.
225 *Sagittarii*. 9.6.88, 5.45.
226 " 9.6.88, 5.75; 9.26.88, 5.65.
77 *Aquilæ*. 9.27.88, 6.5.
230 *Sagittarii*. 9.6.88, 6.85.
231 " 9.30.88, 6.8.
233 " 9.6.88, 6.25.
234 " 9.30.88, 7.0.
82 *Aquilæ*. 10.3.88, 5.7.
239 *Sagittarii*. 9.26.88, 7.0; 9.30.88, 7.0. Usually seen below 7.0.
238 *Sagittarii*. 10.24.86, 6.3; 9.17.87, 6.35; 9.26.88, 6.35. Generally seen fainter than at Cordoba.
89 *Aquilæ*. Gould, variable. Difficult; yet my three estimates, 1886–88, are accordant.
247 *Sagittarii*. 9.30.88, 6.8.
248 " 10.22.86, 5.0; 10.24.86, 5.05; 11.14.86, 4.9; 9.6.88, 4.9; 9.26.88, 5.0.
95 *Aquilæ*. 9.27.88, 5.8.
97 " 9.27.88, 6.5.
250 *Sagittarii*. 10.19.86, 5.15; 10.22.86, 4.8; 10.24.86, 4.75; 11.14.86, 4.85; 9.6.88, 5.0; 9.26.88, 5.05; red; estimates range from 4.7 to 5.15. Variable?
253 *Sagittarii*. 9.6.88, 5.15.
255 " 10.22.86, 5.4; 10.24.86, 5.35; 11.14.86, 5.1; 9.6.88, 5.15; 9.26.88, 5.05.
261 *Sagittarii*. 9.26.88, 6.75.
102 *Aquilæ*. 10.12.87, 6.95; 9.27.88, 7.0.
264 *Sagittarii*. 9.26.88, 6.05; red.
265 " 10.19.86, 5.25; 10.22.86, 4.5; 10.24.86, 4.6; 11.14.86, 5.0; 9.17.87, 4.85; 9.6.88, 4.75; 9.26.88, 4.8. The estimates of this red star are very discordant, and range from 4.4 to 5.25; yet variability is not suspected.
104 *Aquilæ*. 11.9.87, 6.5; 9.27.88, 6.6.
269 *Sagittarii*. 9.26.88, 6.5.
273 " 10.22.86, 7.1; 11.14.86, 7.1; 9.17.87, 7.2; 9.26.88, 7.15. Generally seen below 7.0.
106 *Aquilæ*. 9.27.88, 6.1.
108 " 9.26.88, 6.55; 9.27.88, 6.65.
274 *Sagittarii*. 9.27.88, 6.65.
... *Aquilæ*.[1] This star is on the chart, but not in the catalogue. Gould, 27507, 8^m; SDM. 4°, 5010, 7.3.
110 *Aquilæ*. 9.27.88, 6.75.
... *Aquilæ*.[1] 9.27.89, 6.9. This star is also on the chart, but not in catalogue. Gould, 27533, 7.1; SDM. 4°, 506, 7.2.
2 *Capricorni*. 10.12.87, 6.55; 9.27.88, 6.5. The estimates progressively brighten from 6.75 in 1882 to 6.5 in 1888.
118 *Aquilæ*. 11.9.87, 6.85; 9.27.88, 6.95.
3 *Capricorni*. 9.27.88, 6.8; 9.30.88, 6.7. Difficult.
4 " 9.17.87, 6.2; 10.12.87, 6.25; 9.26.88, 6.2; 9.27.88, 6.3. Six estimates vary only from 6.15 to 6.25; but observed once as faint as 6.5.

[1] To be erased from maps. List of errata, A. N., No. 2377, column 10.

121 *Aquilæ.* 9.27.88, 6.95.
122 " 11.9.87, 7.1; 9.27.88, 7.05.
5 *Capricorni.* 8.5.83, 6.2; 8.24.83, 6.2; 8.26.83, 6.2; 10.22.86, 5.9; 10.24.86, 6.1; 9.27.88, 6.0. Gould, variable? My nine comparisons of this red star range from 5.85 to 6.2; yet its variability is very doubtful; further observations are desirable. See A. J. No. 184.
282 *Sagittarii.* 9.27.88, 6.6.
6 *Capricorni.* 9.27.88, 6.8; 9.30.88, 6.6. Difficult.
7 " 10.13.87, 6.15; 9.27.88, 6.0.
... *Aquilæ.* 9.27.88, 6.9. Not in U. A. Gould, 27787, 7¼; SDM. 3°, 4838, 7.2.
8 *Capricorni.* 9.26.88, 4.5.
11 " 10.19.86, 5.9; 10.22.86, 5.95; 10.24.86, 5.9; 11.18.86, 5.9; 9.17.87, 5.9; 10.13.87, 5.9; 9.27.88, 5.75; red. Generally estimated as 5.9; but once each estimated as 5.5 and 5.6.
131 *Aquilæ.* 10.3.88, 6.45; red.
12 *Capricorni.* 10.12.87, 5.0; 10.15.87, 5.15; 9.26.88, 5.15.
13 *Capricorni.* 9.17.87, 6.85; 10.12.87, 6.8; 9.27.88, 6.8. Difficult; near bright star; estimates range from 6.8 to 7.1.
296 *Sagittarii.* 10.19.86, 6.25.
135 *Aquilæ.* 10.12.87, 6.15; 9.27.88, 6.3; 10.3.88, 6.25. Gould, variable? My six estimates give values for the magnitude ranging from 6.1 to 6.5; yet variability is not suspected; will bear further watching.
137 *Aquilæ.* 9.27.88, 6.5.
17 *Capricorni.* 9.17.87, 5.65; 9.26.88, 5.55; 9.27.88, 5.5.
138 *Aquilæ.* 9.27.88, 6.5.
... *Capricorni.* 9.27.88, 7.15.
20 " 10.13.87, 6.75; 9.27.88, 6.85.
22 " 9.26.88, 5.15; 9.27.88. 5.35; 9.30.88, 5.25.
... " 10.13.87, 7.4. Estimates vary from 7.0 to 7.4.
139 *Aquilæ.* 9.16.87, 6.0; 9.27.88, 6.3.
23 *Capricorni.* 9.27.88, 6.9. Difficult; near bright star.
24 " 9.27.88, 6.6; red.
140 *Aquilæ.* 9.27.88, 7.0.
25 *Capricorni.* 9.26.88, 6.0; 9.27.88, 5.75.
141 *Aquilæ.* 9.27.88, 5.2.
3 *Microscopium.* 10.19.86, 6.5; 9.27.88, 6.5. Generally seen as 6.4 or 6.5; but once estimated as faint as 6.8.
26 *Capricorni.* 11.16.89, 7.5. Gould, variable 6¾–8½. If the right star has been observed, it has always been seen as 7.5.
5 *Microscopium.* 9.16.88, 7.0; 9.27.88, 7.0.
29 *Capricorni.* 10.13.87, 6.0.
7 *Microscopium.* 9.27.88, 6.95.
30 *Capricorni.* 11.27.86, 6.9; 10.13.87, 6.9.
31 " 10.13.87, 6.4.
143 *Aquilæ.* 11.2.87, 6.9; 11.5.87, 6.95.
32 *Capricorni.* 10.22.86, 6.3; 10.24.86, 6.3; 11.18.86, 6.3; 9.17.87, 6.4; 10.13.87, 6.35; 9.27.88, 6.25. Estimates range from 6.1 to 6.5.
33 *Capricorni.* 10.13.87, 7.0. This has maintained the magnitude 7.0 unchanged during the period from 1882 to 1887. Gould, 6.8.
144 *Aquilæ.* 9.16.87, 5.55; 9.27.88, 5.4. Always seen fainter than at Cordoba.
35 *Capricorni.* 9.17.87, 6.55; 9.27.88, 6.5. Generally seen as 6.5 or 6.6; but once estimated as 6.8.
37 *Capricorni.* 10.13.87, 7.05. Generally seen below 7.0.
145 *Aquilæ.* 10.3.88, 6.6; 10.8.88, 6.45; 10.25.88, 6.45.
... " 9.27.88, 7.3.
39 *Capricorni.* 9.26.88, 5.55; 9.27.88, 5.5.
41 " 10.13.87, 5.9; 9.27.88, 5.85; red. Estimates range from 5.6 to 5.9.
3 *Aquarii.* 9.28.88, 5.4; 10.3.88, 5.5.
42 *Capricorni.* 10.3.88, 6.65.
43 " 10.13.87, 6.2; red.
4 *Aquarii.* 9.18.87, 7.0; 10.12.87, 6.9.
" 9.27.88, 6.8; 10.3.88, 6.8. Always seen brighter than at Cordoba.
44 *Capricorni.* 10.3.88, 6.65.
5 *Aquarii.* 9.27.88, 7¾ estimated; 9.28.88, 8.0. This star is not on the chart, although in the Catalogue. It was apparently observed in 1882, and estimated to be 6.95, since which it has not been estimated brighter than 7.3. In all probability it is variable.
6 *Aquarii.* 10.12.87, 7.5; 9.28.88, 7.4. For this star my estimates are quite discordant, the various determinations, five in number, varying through half a magnitude, and strongly suggesting variability.
46 *Capricorni.* 9.28.88, 7.0.
47 " 10.19.86, 4.0; 10.22.86, 4.1; 10.24.86, 4.0; 11.18.86, 4.15; 11.26.86, 4.2; 9.17.87, 4.0; 9.28.88, 4.15. Nine estimates give values for the magnitude ranging only from 4.0 to 4.2; yet it was once estimated as faint as 4.7.
8 *Aquarii.* 10.3.88, 3.9. Difficult.
9 " 10.3.88, 4.8; red.
51 *Capricorni.* 10.3.88, 6.95.
52 " 10.22.86, 5.95; 10.24.86, 6.05; 11.18.86, 5.9; 11.26.86, 6.2; 10.19.87, 6.1; red. Estimates range from 5.9 to 6.2.
53 *Capricorni.* 10.13.87, 6.55; 9.27.88, 6.6.
11 *Aquarii.* 9.27.88, 6.4.
30 *Microscopium.* 10.19.87, 6.85; 9.27.88, 6.75.
56 *Capricorni.* 10.22.86, 4.35; 11.18.86, 4.3; 11.26.86, 4.5; 10.13.87, 4.35; red. Always estimated fainter than at Cordoba.
12 *Aquarii.* 9.27.88, 6.25.
13 " Gould, variable? Our three estimates are quite accordant, 5.65 and 5.7, and furnish no evidence of change.
58 *Capricorni.* 10.3.87, 6.45; 9.28.88, 6.7.

34 *Microscopium.* Estimates progressively fade from 6.6 in 1884 to 6.85 in 1888.
16 *Aquarii.* 10.3.88, 4.85.
15 " 10.3.88, 6.65.
35 *Microscopium.* 10.19.87, 6.7; 9.27.88, 6.75; red.
17 *Aquarii.* 10.12.87, 7.05; 9.27.88, 6.8; 10.3.88, 7.05. Six estimates of this star range from 6.8 to 7.1; generally seen below 7.0.
18 *Aquarii.* 10.12.87, 6.65.
61 *Capricorni.* 10.22.86, 6.35; 10.24.86, 6.45; 11.18.86, 6.25; 9.27.88, 6.05; 10.3.88, 6.25. Estimates vary from 6.05 to 6.45.
20 *Aquarii.* 10.12.87, 7.1; 9.27.88, 6.8; 10.3.88, 7.05. Generally seen below 7.0.
21 *Aquarii.* 10.3.88, 6.5.
63 *Capricorni.* 11.26.86, 6.05; 9.17.87, 5.95; 10.19.87, 6.0.
24 *Aquarii.* 9.27.88, 6.05. Gould, variable? Our four estimates range only from 5.85 to 6.05, and furnish but slight evidence of change.
64 *Capricorni.* 10.22.86, 6.25; 10.24.86, 6.15; 11.18.86, 6.1; 9.27.88, 6.05. Six estimates range only from 6.05 to 6.25; yet the star was once estimated as bright as 5.75.
27 *Aquarii.* 12.17.86, 6.0; 9.28.88, 6.25.
29 " 11 15.89, 6.7.
30 " 12.17.86, 6.4; 9.28.88, 6.3.
31 " 9.28.88, 6.3.
32 " 10.12.87, 6.85; 9.28.88, 6.8; 11.15.89, 6.7.
67 *Capricorni.* 11.26.86, 6.2; 10.19.87, 6.3; 10.13.87, 6.2. Estimates vary from 6.1 to 6.5.
33 *Aquarii.* 10.12.87, 7.05. Always seen slightly fainter than 7.0.
46 *Microscopium.* 10.19.87, 6.55.
68 *Capricorni.* 11.26.86, 5.0; 9.28.88, 5.0; 9.29.88, 5.1; 9.30.88, 5.05; red.
69 *Capricorni.* Always seen below 7.0.
70 " 11.26.86, 3.9; 9.28.88, 3.9; 9.30.88, 4.0.
73 " 11.18.86, 4.6; 11.26.86, 4.95; 9.17.87, 4.9; 10.13.87, 5.0; 9.28.88, 4.95. The observations of this red star are discordant, ranging from 4.6 to 5.0; yet variability is not suspected.
40 *Aquarii.* 10.15.87, 6.75.
39 " 9.18.87, 7.2; 10.15.87, 7.2; 9.29.88, 7.05. Generally estimated fainter than 7.0.
76 *Capricorni.* 11.26.86, 5.4; 9.29.88, 5.45; 9.30.88, 5.45.
77 " 10.13.87, 7.0.
45 *Aquarii.* 10.15.87, 6.9.
50 " 9.18.87, 6.55; 10.15.87, 6.6. Generally seen as 5.5 or 5.6; but once estimated as 5.8.
58. *Microscopium.* 9.29.88, 5.9.
51 *Aquarii.* 10.3.88, 6.8; 10.8.88, 6.7.
79 *Capricorni.* 10.13.87, 6.45; 10.15.87, 6.65; 10.2.87, 6.65; 11.5.87, 6.55; 11.12.87, 6.45; 9.29.88, 6.5; 10.3.88, 6.5; 9.23.89, 6.4; 9.24.89, 6.4. The estimates of this star are quite discordant, ranging from 6.2 to 6.75. Variable?
... *Aquarii.* 10.30.88, 7.0; 12.6.88, 7.1. Not in U. A. Gould, 29163, 7m; SDM. 3°, 5160, 7.0.
80 *Capricorni.* 11.26.86, 5.65; 9.29.88, 5.6; 9.30.88, 5.6; red.
82 *Capricorni.* 9.30.88, 5.4.
58. *Aquarii.* 10.15.87, 5.7.
84 *Capricorni.* 10.13.87, 6.8; 9.29.88, 6.9. Usually seen as 6.8 or 6.9; but once estimated as bright as 6.6.
66 *Microscopium.* 10.13.87, 6.7; 10.3.88, 6.7.
86 *Capricorni.* 11.14.86, 4.5; 11.18.86, 4.55; 11.26.86, 4.4; 9.29.88, 4.45; 9.30.88, 4.35; red.
63 *Aquarii.* 12.2.88, 7.0. Estimates range from 6.8 to 7.2.
87 *Capricorni.* 11.22.86, 6.0; 9.29.88, 6.1; 9.30.88, 6.1.
66 *Aquarii.* 10.3.88, 6.65. Always seen brighter than at Cordoba.
65 *Aquarii.* 10.3.88, 6.35. Always estimated fainter than at Cordoba.
88 *Capricorni.* 10.13.87, 6.8; 9.29.88, 6.9. Generally seen as 6.8 or 6.9; but once estimated as 6.6.
89 *Capricorni.* 10.22.86, 6.6; 11.22.86, 6.7; 9.18.87, 6.8; 10.13.87, 6.75; 9.29.88, 6.6. For this red star the estimates vary from 6.4 to 6.8; but generally seen as 6.6 or 6.7, and brighter than at Cordoba.
90 *Capricorni.* 9.29.88, 5.85; 9.30.88, 5.9; red.
67 *Aquarii.* 10.15.87, 5.55.
68 " 10.3.88, 5.9. Has apparently faded from 5.65 in 1882 to 5.9 in 1888.
92 *Capricorni.* 9.29.88, 6.9.
71 *Aquarii.* 12.21.86, 6.7; 9.18.87, 6.75; 9.29.88, 6.75.
70 " 10.15.87, 5.65.
72 " 10.15.87, 6.5.
93 *Capricorni.* 11.18.86, 3.8; 11.26.86, 3.9; 9.30.88, 3.9.
73 *Aquarii.* 9.29.88, 6.95.
94 *Capricorni.* 11.22.86, 6.35; 9.29.88, 6.25; 9.30.88, 6.3; red.
95 *Capricorni.* 9.29.88, 6.85.
96 " 9.29.88, 6.95. Estimates vary from 6.95 to 7.2.
98 *Capricorni.* 9.29.88, 4.65; 9.30.88, 4.7.
1 *Piscis Austrini.* 10.3.88, 6.5. Difficult; low.
99 *Capricorni.* 10.13.87, 7.1; 9.29.88, 7.05; red.
102 " 10.3.88, 7.05. Difficult.
75 *Aquarii.* 10.2.86, 2.9; 11.18.86, 2.8; 11.22.86, 2.8; 11.24.86, 2.9; 11.27.86, 2.8; 10.15.87, 2.85; red. Estimates range from 2.55 to 2.9.
104 *Capricorni.* 11.22.86, 7.2; 9.18.87, 7.15; 10.13.87, 7.15; 9.29.88, 7.05. Estimates range from 6.6 to 7.2. Variable?
77 *Aquarii.* 10.3.88, 6.8.
106 *Capricorni.* 10.15.87, 6.7. This red star has always been estimated brighter than at Cordoba, the reverse generally being the case as regards red stars.
107 *Capricorni.* 10.15.87, 6.55; 9.29.88, 6.65.

108 *Capricorni.* 9.30.88, 4.6.
... " 10.22.86, 7.4; 11.22.86, 7.25; 9.29.88, 7.4. Always estimated fainter than at Cordoba.
83 *Aquarii.* 10.3.88, 6.75.
110 *Capricorni.* 11.26.86, 3.5; 11.27.86, 3.7; 9.30.88, 3.65.
12 *Piscis Austrini.* 10.3.88, 6.7.
111 *Capricorni.* 9.18.87, 5.7; 9.29.88, 5.6; 9.30.88, 5.55.
113 " 9.29.88, 5.1; 9.30.88, 4.9; red.
85 *Aquarii.* 10.15.87, 6.0; 9.29.88, 6.0.
114 *Capricorni.* 10.8.88, 6.4.
115 " 9.29.88, 6.05; 9.30.88, 6.1.
117–8 " 9.15.87, 5.3.
119 " 9.30.88, 6.7.
120 " 10.15.87, 6.45.
121 " 9.30.88, 5.8.
122 " 11.22.86, 7.1; 9.29.88, 6.9; 9.30.88, 6.9; 10.3.88, 6.95. Estimates range from 6.9 to 7.2.
123 *Capricorni.* 11.18.86, 2.65; 11.22.86, 2.7; 11.24.86, 2.7; 11.27.86, 2.6; 9.18.87, 2.9. Estimates are discordant, and range from 2.4 to 2.9.
87 *Aquarii.* 10.15.87, 7.15; 9.29.88, 6.95; 10.3.88, 6.8; 10.8.88, 6.9. Estimates for this red star vary from 6.8 to 7.15.
... *Aquarii.* 10.30.88, 7.5; 12.2.88, 7.4.
124 *Capricorni.* 10.15.87, 6.55; 9.29.88, 6.45; 9.30.88, 6.4.
128 " 10.3.88, 6.35.
91 *Aquarii.* 10.15.87, 6.6; 9.29.88, 6.7.
92 " 10.15.87, 6.7; 9.29.88, 6.8.
93 " 10.15.87, 7.0; 9.29.88, 6.95.
130 *Capricorni.* 9.30.88, 5.4.
131 " 10.15.87, 6.45.
94 *Aquarii.* 10.15.87, 6.0; 9.29.88, 6.1.
95 " 10.15.87, 6.45; 9.29.88, 6.55.
133 *Capricorni.* 10.3.88, 6.6; 10.30.88, 6.8.
96 *Aquarii.* 10.15.87, 6.4; 9.29.88, 6.5.
98 " 10.15.87, 6.45; 9.29.88, 6.55.
102 " 11.26.86, 5.85; 10.15.87, 5.8; 9.29.88, 5.75.
103 " 11.24.86, 4.8; 11.26.86, 4.7. Generally seen as 4.7 or 4.8; but once estimated as faint as 5.1.
104 *Aquarii.* 10.15.87, 5.65.
105 " 11.18.86, 2.8; 11.22.86, 2.8; 11.24.86, 2.7; 11.27.86, 2.8; 9.18.87, 3.0; 10.15.87, 2.7; 10.10.88, 2.75. Nine estimates of this bright red star range only from 2.7 to 3.0; yet it was once estimated as bright as 2.1.
106 *Aquarii.* 10.15.87, 7.1; 9.29.88, 6.95.
107 " 12.17.86, 4.05; 12.20.86, 4.05; 9.18.87, 4.0; 10.15.87, 4.15. Six of the seven estimates of this star make it 4.1, or one third of a magnitude brighter than at Cordoba; yet it was once estimated as faint as 4.6.
112 *Aquarii.* 10.3.88, 6.0; 10.8.88, 5.7; 10.25.88, 6.0; 12.2.88, 5 95. Estimates somewhat discordant, and range from 5.7 to 6.0.
114 *Aquarii.* 9.30.88, 6.7.
116 *Aquarii.* 10.3.88, 6.8.
120 " 12.17.86, 6.3; 10.15.87, 6.1; 9.29.88, 6.3. Gould, variable? My estimates range from 6.1 to 6.5; yet variability is not suspected.
33 *Piscis Austrini.* 9.29.88, 6.3.
121 *Aquarii.* 10.15.87, 6.7.
34 *Piscis Austrini.* 9.29.88, 5.95; red.
35 " " 9.29.88, 5.6; 10.8.88, 5.7. This star has apparently faded from 5.4 in 1884 to 5.7 in 1888.
123 *Aquarii.* 11.24.86, 5.9.
125 " 9.30.88, 6.7.
36 *Piscis Austrini.* 9.29.88, 6.55.
... *Aquarii.* Always seen fainter than at Cordoba by one third of a magnitude.
127 *Aquarii.* 9.29.88, 5.85.
130 " 10.3.88. 6.1. Always seen brighter than at Cordoba.
131. *Aquarii.* 11.26.86, 6.2; 10.15.87, 6.2; 10.10.88, 6.1. This star has always been found brighter than at Cordoba.
132 *Aquarii.* 10.3.88, 6.7.
133 " 9.29.88, 6.3.
134 " 10.20.86, 5.4; 10.3.88, 5.4.
135 " 11.24.86, 5.7; 9.29.88, 5.5; red.
136 " 10.2.86, 3.5; 11.14.86, 3.8; 11.18.86, 3.7; 11.21.86, 3.65; 11.24.86, 3.8; 11.26.86, 3.7; 11.15.87, 3.7. The estimates range from 3.5 to 4.1; but generally seen as 3.7 or 3.8.
138 *Aquarii.* 11.26.86, 6.4.
139 " 11.27.86, 5.7; 10.15.87, 5.85.
140 " 9.29.88, 6.05.
142 " 10.2.86, 4.6; 11.14.86, 4.5; 11.18.86, 4.55; 11.21.86, 4.55; 11.24.86, 4.7; 11.26.86, 4.8; 11.15.87, 4.6. Estimates range from 4.5 to 5.1.
... *Aquarii.* 10.31.88, 7.0; 12.2.88, 7.0. Not in U. A. Gould, 30616, $7\frac{3}{4}^{m}$; SDM. 3°, 5443, 7.2.
147 *Aquarii.* Out of position on chart.
150–51 *Aquarii.* 10.2.86, 3.3; 11.14.86, 3.6; 11.18.86, 3.7; 11.21.86, 3.75; 11.24.86, 3.7; 11.26.86, 3.5. Estimates vary from 3.3 to 3.75.
40 *Piscis Austrini.* 10.15.87, 6.2; 9.29.88, 6.3. Estimates range from 6.0 to 6.3.
154 *Aquarii.* 10.3.88, 4.8. Always estimated brighter than at Cordoba.
155 *Aquarii.* 10.3.88, 6.6.
157 " 10.8.88, 6.2. Has apparently brightened from 6.5 in 1884 to 6.2 in 1888.
156 *Aquarii.* Always seen brighter than at Cordoba.
158 " 9.30.88, 7.0. While the estimates of 1884 and 1888 agree with the magnitude as determined at Cordoba, 7.0, two estimates made in 1886 are fainter, 7.1 and 7.2.
159 *Aquarii.* 10.10.88, 6.7.
161 " 11.24.86, 5.6; 10.3.88, 5.45.
163 " 10.2.86, 3.75; 11.14.86, 3.95; 11.18.86, 3.95;

11.21.86, 3.9; 11.24.86, 4.0; 11.26.86, 3.9. Generally observed brighter than at Cordoba.

166 *Aquarii.* 11.27.86, 5.3; 10.3.88, 5.3. Generally seen as 5.3; but once estimated as bright as 4.9; difficult.

167 *Aquarii.* 12.17.86, 6.4; 9.30.88, 6.55.

48 *Piscis Austrini.* 9.29.88, 6.75.

168 *Aquarii.* 10.10.88, 6.8.

50 *Piscis Austrini.* 9.29.88, 6.45.

169 *Aquarii.* 9.30.88, 6.8.

52 *Piscis Austrini.* Always estimated brighter than at Cordoba.

171 *Aquarii.* 12.20.86, 6.6; 12.25.86, 6.65; 10.15.87, 6.6. Five observations vary only from 6.6 to 6.7; yet the star was once estimated as faint as 6.9, and always seen fainter than at Cordoba.

... *Aquarii.* Estimated as 7.3 at Cordoba; but has always been observed by me as 7.0.

174 *Aquarii.* 12.17.86, 6.45; 9.30.88, 6.2; 10.10.88, 6.35. Generally seen brighter than at Cordoba.

175 *Aquarii.* 12.17.86, 6 4; 9.30.88, 6.5.

176 " 11.24.86, 4.9; 10.10.88, 5.0.

178 " 10.10.88, 6.85.

179 " 11.24.86, 5 45; 10.3.88, 5.65. Estimates range from 5.3 to 5.65.

180 *Aquarii.* 10.3.88, 5.8; red.

57 *Piscis Austrini.* 9.29.88, 6.4.

... *Aquarii.* 10.3.88, 6.65. Double.

181 " 10.3.88, 6.3.

182 " 9.30.88, 7.0.

183 " 11.24.86, 4.5; 12.20.86, 4.5; 12.25.86, 4.5; 10.15.87, 4.65; 10.3.88, 4.5; 10.10.88, 4.5. This red star has generally been estimated as 4.5 or 4 6; but it was estimated once each as bright as 4.0 and 4.2.

60 *Piscis Austrini.* 9.29.88, 6.5.

184 *Aquarii.* 10.15.87, 7.15; 9.30.88, 6.95; 10.10.88, 7.15; 10.25.88, 7.2. Always seen fainter than at Cordoba; estimates range from 6.9 to 7 2.

185 *Aquarii.* 11.14.86, 4 2; 11 18 86, 4.2; 11.21.86, 4.2; 11.24.86, 4.25; 11.26.86, 3 95; 10.19.87, 3.75; 10.25.88, 3.7. The estimates of this red star are very discordant, ranging from 3 6 to 4.25; yet the discordances are doubtless due to its brightness and color, as the extreme estimates occur in two sequences observed on the same evening; further observations, however, are desirable.

187 *Aquarii.* 10.15.87, 5.95.

188 " 9.29.88, 6.9.

191 " 11.22.86, 3.1; 11.24.86, 3 05; 11.27.86, 3.05; 10.15.87, 3 1; 10.25.88, 3.1.

192 *Aquarii.* 9.29.88, 6.7. Always seen fainter than at Cordoba.

194 *Aquarii.* 9.30.88, 6.7.

3 *Piscium.* 9.29.88, 6.15.

195 *Aquarii.* 9 29.88, 5.9.

196 *Aquarii.* 9.30.88, 6.8.

4 *Piscium.* 10.15.87, 6.5; 9.29.88, 6.35. Estimates of this double star are quite discordant, and range from 6.3 to 6.75.

197 *Aquarii.* 9.29.88, 6.7.

7 *Piscium.* 10.10.88, 6.4.

198 *Aquarii.* 11.24.86, 6.7; 12.20.86, 6.65; red. Estimates vary from 6.4 to 6.7.

9 *Piscium.* Always seen fainter than at Cordoba.

10 " 9.29.88, 6.55.

71 *Piscis Austrini.* 9.29.88, 6.05 red. Estimates range from 5.9 to 6.2.

200 *Aquarii.* 9.30.88, 6.6.

201 " 12.20.86, 6.4; 10.15.87, 6.45; 9.29.88, 6.5. Estimates range from 6.35 to 6.7.

202 *Aquarii.* 9.29.88, 6.1.

203 " 12.20.86, 6.65; 10.15.87, 6.75; 10.3.88, 6.85. Estimates range from 6.7 to 7.0.

204 *Aquarii.* 12.20.86, 6.75; 10.15.87, 6.55; 9.29.88, 6.5.

205 " 9.30.88, 6.5.

74 *Piscis Austrini.* 10.3.88, 6.9.

206 *Aquarii.* 9.29.88, 6.75.

75 *Piscis Austrini.* 10.3.88, 6.9. Difficult.

208 *Aquarii.* 11.26.86, 5.55.

209 " 12.20.86, 7 2; 10.3.88, 7.05. Always seen fainter than 7.0; difficult.

... *Aquarii.* 10.3.88, 6.7; 10.10.88, 7.3; 10.25.88, 7.1. Estimates very discordant, varying from 6.7 to 7.3; yet variability is not suspected, as it lies very close to a bright star, and is very difficult to observe.

16 *Piscium.* 9.29.88, 6.65.

... *Aquarii.* 10.31.88, 6.8. Not in U. A. Gould, 31375, $7\frac{1}{2}^m$; SDM. 8°, 6021, 7.0.

210 *Aquarii.* 10.2.86, 4.4; 10.3.86, 4.4; 10.19.86, 4.5; 11.14.86, 4.6; 11.21.86, 4.4; 11.26.86, 4.4; 11.9.87, 4.55; 10.25.88, 4.5.

2 *Sculptoris.* 10.31.88, 5.95.

17 *Piscium.* 9.29.88, 5.3. Always observed brighter than at Cordoba.

211 *Aquarii.* 10.2.86, 3.65; 10.3.86, 3.65; 10.19.86, 3.75; 11.21.86, 3.7; 11.26.86, 3.7; 11.9.87, 3.6; 10.25.88, 3.6.

212 *Aquarii.* 10.2.86, 4.7; 10.3.86, 4.8; 10.19.86, 4.7; 10.21.86, 4.75; 11.14.86, 4.7; 11.26.86, 4.8; 11.9.87, 4.8; 10.25.88, 4.85.

213 *Aquarii.* 10.31.88, 6.7.

4 *Sculptoris.* 10.31.88, 6.65.

215 *Aquarii.* 12.20.86, 4.45; 12.25.86, 4.45; 10.19.87, 4.2; 10.25.88, 4.5. For this red star the estimates range from 4.1 to 4.5.

216 *Aquarii.* 10.31.88, 6.7; red.

5 *Sculptoris.* 10.31.88, 6.75.

218 *Aquarii.* 11.26.86, 4.2; 10.19.87, 4.3; 10.25.88, 4.15; red.

219 " 11.26.86, 5.2; 10.19.87, 5.3; red. Generally seen as 5.2 or 5.3; but once estimated as 5.65.

6 *Sculptoris.* 10.31.88, 6.65.
... *Aquarii.* 10.19.87, 6.9. Not in U. A. Gould, 31572, $7\frac{3}{4}^m$; SDM. 16°, 6254, 6 5.
221 *Aquarii.* 12.20.86, 6.45; 11.5.87, 6.45; 11.9.87, 6.55, 10.10.88, 6.35. Difficult.
222 *Aquarii.* 11.24.86, 4.1; 11.26.86, 3.95, 10.19.87, 4.0; 10.25.88, 4.15; red. Estimates vary from 3.95 to 4.35.
9 *Sculptoris.* 10.31.88, 6.65.
223 *Aquarii.* 11.21.86, 4.7; 11.26.86, 4.75; 10.19.87, 4.55; 10.10.88, 4.65; 10.25.88, 4.5. Always seen brighter than at Cordoba.
224 *Aquarii.* 10.31.88, 5.45.
227 " 11.3.88, 6.65.
228 " 10.31.88, 6.4.
11 *Sculptoris.* 10.31.88, 6.0.
229 *Aquarii.* 11.3.88, 6.5.
231 " 10.2.86, 3.95; 10.19.86, 4.1; 11.21.86, 3.95; 11.26.86, 4.0; 11.19.87, 4.0; 10.25.88, 4.0.
24 *Piscium.* 10.31.88, 6.6.
232 *Aquarii.* 10.31.88, 6.85 Generally seen as 6 8 or 6.9; but once estimated as faint as 7.1.
235 *Aquarii.* 10.2.86, 4.7; 10.3.86, 4.7; 10.19.86, 4.5; 11.14.86, 4.5; 11.21.86, 4.6; 11.26.86, 4.6; 11.5.87, 4.6; 11.9.87, 4.55; 10.25 88, 4.5; red. Estimates vary from 4.3 to 4.7.
12 *Sculptoris.* 10.31.88, 6.7.
14 " 11.3.88, 6.85; 12.6.88, 6.6. Always seen fainter than at Cordoba. Estimates range from 6.5 to 6.85.
238 *Aquarii.* 10.31.88, 6.35.
30 *Piscium.* 11.3.88, 6.5; 12.2.88, 6.4.
31 " 10.31.88, 6.6; 11.3.88, 6 5.
239 *Aquarii.* 10.25.88, 6.25; 10.31.88, 6 25.
240 " 10.31.88, 6 8. Estimates vary from 6.5 to 6.8.
241 *Aquarii.* 10.31.88, 6.25.
242 " 10.31.88, 6.4.
15 *Sculptoris.* 10.31.88, 6.5. The first estimate, made in 1884, agrees with the U. A. magnitude 6.7; yet three observations made in the years 1886 to 1888 give very accordantly 6.5.
32 *Piscium.* 11.3.88, 6.45.
243 *Aquarii.* 10.31.88, 6.8.
34 *Piscium.* 10.31.88, 6.7.
244 *Aquarii.* 10.2.86, 4.35; 10.3.86, 4.3; 10.19.86, 4.5, 11.14.86, 4.4; 11.21.86, 4.55; 11 26 86, 4.4, 11.9.87, 4.3; 10.25.88, 4.4.
... *Aquarii.* 10.19.87, 7.0. Not in U. A. SDM. 13°, 6428, 6.3.
245 *Aquarii.* 12.20.86, 6.7; 10.19 87, 6 75; 10.31.88, 6.75.
246 " 11.3.88, 6.5.
247 " 10.31.88, 6.9.
20 *Sculptoris.* 11.3.88, 6.35; 12.6.88, 6.4.
254 *Aquarii.* 10.31.88, 7.0.
256 *Aquarii.* 11.3.88, 6.0; red. Difficult; near bright star.
257 *Aquarii.* 10.25.88, 5.0.
258 " 10.25.88, 5.6. Has apparently brightened from 5.9 in 1882 to 5.6 in 1888.
259 *Aquarii.* 11.18.86, 4.5; 11.24.86, 4.5; 11.26.86, 4.5; 10.19.87, 4.65; 10.25.88, 4.7. Estimates range from 4.5 to 4.8.
261 *Aquarii.* 10.25 88, 5.3.
262–3 " 10.25.88, 5.4.
264 " 10.31.88, 5.85.
43 *Piscium.* 10.19.87, 5 5; 11.3.88, 5.85; 12.2.88, 5.4; 11.16.89, 5.8. Estimates discordant, ranging from 5.4 to 5.85. Variable?
265 *Aquarii.* 10.22.86, 6.4; 10.19.87, 6.35; 11.3.88, 6.45. Estimates range from 6.4 to 6.8.
27 *Sculptoris.* 12.6.88, 4.65. Difficult.
28 " 11.3.88, 6.75.
266 *Aquarii.* 10.21.86, 6.9.
267 " 10.22.86, 6.8.
268 " 10.19.87, 6.15; 10.31.88, 6.1. Always seen fainter than at Cordoba by one third of a magnitude.
269 *Aquarii.* 10.19 87, 6.15; 10.31.88, 5.85. Estimates range from 5.8 to 6.15. Difficult, on account of nearness of following star.
... *Aquarii.* Difficult; near preceding star.
1 *Ceti.* 1.3.88, 6 4.
270 *Aquarii.* 10.25.88, 5.2.
271 " 10.31 88, 6.2.
272 " 12.20 86, 7 1; 11.3.88, 7.15. Difficult; no good comparison-stars near.
32 *Sculptoris.* 11.3.88, 6.75.
273. *Aquarii.* 10.31.88, 5.75; 1.21.89, 5.8. A progressive fading is apparently shown from 5.4 in 1884 to 5.8 in 1889.
50 *Piscium.* 11.3.88, 6.25.
274 *Aquarii.* 11.3.88, 6.25.
52 *Piscium.* 11.3.88, 6.1. Always seen fainter than at Cordoba.
275 *Aquarii.* 10.22.86, 6.8.
276 " 11.3.88, 6.95.
36 *Sculptoris.* 12.2.88, 6.9; 1.1.89, 6.65. Estimates discordant, and range from 6.5 to 6.9.
2 *Ceti.* 11.18.86, 6.8; 11.3.88, 6.9
3 " 11 28.86, 6.7, 11.3.88, 6.4, 12.2.88, 6.55. Always seen brighter than at Cordoba; estimates discordant, ranging from 6.4 to 6.75.
55 *Piscium.* 11.3.88, 4.95.
57 " 11.3.88, 6.7.
... " 12.4.88, 7.2. Difficult.
39 *Sculptoris.* 12.2.88, 7.1.
58 *Piscium.* 11.3.88, 4.95.
59 " 11.3.88, 4.5; red.
4 *Ceti.* 11.18.86, 6.65; 11.3.88, 6.3, 12.4.88, 6.4. Al-

ways seen brighter than at Cordoba; estimates range from 6.3 to 6.65.

6 *Ceti.* 10.20.86, 4.5; 10.21.86, 4.1; 11.18.86, 4.55; 11.26.86, 4.5; 12.25.86, 4.45; 11.9.87, 4.3; 11.3.88, 4.4. Estimates range from 4.1 to 4.55.

45 *Sculptoris.* 12.2.88, 6.5.

8 *Ceti.* 12.2.88, 5.2. Gould, variable? No evidence of change furnished from my observations.

63 *Piscium.* 10.19.87, 4.75; 11.3.88, 4.75; red. Has apparently faded from 4.4 in 1884 to 4.75 in 1888.

---

155 *Canis Majoris* = Ch. 2610. Discovered by me to be a variable of the Algol type in 1887, with a probable period of about $1^d\ 3^h\pm$. Dr. Chandler's elements give the following: Epoch of Min. 1887, March $26^d\ 15^h\ 18^m.0 + 1^d\ 3^h\ 15^m\ 46^s$ E. Varies from $5^M.9$ to $6^M.7$. Duration of decrease and increase about $2\frac{1}{2}$ hours each; remains at maximum brightness 22 hours.

12 *Antliæ* = Ch. 3407. Discovered to be variable by Paul in 1888, with a probable period of either $11^h\ 31^m$ or $7^h\ 46^m$. My observations of 1891 confirmed the variability, established the last named period as the true one, and determined the variation to be of the Algol type. Dr. Chandler, from a more rigid determination of elements, gives the following: Epoch of Min. 1888, April $13^d\ 12^h\ 55^m.4 + 0^d\ 7^h\ 46^m\ 48^s.0$ E. Variation from $6^M.7$ to $7^M.3$. The star remains at maximum brightness about $4^h\ 30^m$; the decrease and increase occupying each about $1^h\ 40^m$. This variable has the shortest known period.

REESE LIBRARY OF THE UNIVERSITY OF CALIFORNIA

UNIVERSITY OF CALIFORNIA LIBRARY
BERKELEY

Return to desk from which borrowed.
This book is DUE on the last date stamped below.

ASTRONOMY LIBRARY

LD 21–100*m*–11,'49(B7146s16)476

135878
QB815
S3
Astron. 4/27/30